

Holly M. Saffold
ExxonMobil Environmental Services
Project Manager

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holly.saffold@exxonmobil.com

August 8, 2011

Dr. Ann Chang
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

SUBJECT **First Half 2011 Groundwater Monitoring and Status Report**
Former ExxonMobil Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California
CRWQCB-LAR Case No. 0203; Site I.D. No. 1848000

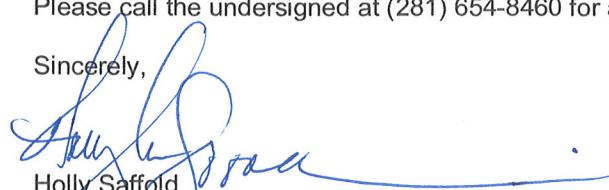
Dr. Chang:

Enclosed for review is a copy of the *First Half 2011 Groundwater Monitoring and Status Report* (Report) documenting the groundwater monitoring activities at the above-referenced site. ExxonMobil Environmental Services' consultant, Cardno ERI, prepared this report.

I, Holly Saffold, do hereby declare, under penalty of perjury under the laws of the State of California, that I am Project Manager for ExxonMobil Environmental Services, that I am authorized to attest to the veracity of the information contained in the report described herein, and that the information contained in the Report for the subject site dated August 5, 2011 is true and correct, and that this declaration was executed at Houston, Texas, on August 8, 2011.

Please call the undersigned at (281) 654-8460 for any questions regarding the content of this report.

Sincerely,



Holly Saffold
Project Manager
ExxonMobil Environmental Services

cc: Mr. James Anderson, Cardno ERI (w/o enclosure)

Enclosure:

First Half 2011 Groundwater Monitoring and Status Report dated August 5, 2011

August 5, 2011

Dr. Ann Chang
California Regional Water Quality Control Board, Los Angeles Region (4)
320 West 4th Street, Suite 200
Los Angeles, California 90013

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USA

SUBJECT **First Half 2011 Groundwater Monitoring and Status Report**
Former ExxonMobil Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California
CRWQCB-LAR Case No. 0203 Site 1848000

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Dr. Chang:

At the request of ExxonMobil Environmental Services (EMES), on behalf of ExxonMobil Production Company (ExxonMobil), Cardno ERI is submitting the *First Half 2011 Groundwater Monitoring and Status Report* for the above-referenced site. The format utilized for the report consolidates groundwater sampling (where applicable), Title 23, Subchapter 16 reporting and consultant progress updates for ExxonMobil into one summary report.

SITE DESCRIPTION

Former ExxonMobil Jalk Fee is located at 10607 Norwalk Boulevard, in the city of Santa Fe Springs, California. The site is 8.8 acres in size and has contained multiple industrial businesses since redevelopment into an industrial park in 2003. The surrounding areas consist mainly of industrial facilities. The Continental Heat Treating (CHT) facility, located contiguous to the south of the site, has an active environmental case with the California Regional Water Quality Control Board, Los Angeles Region (CRWQCB-LAR) for the release of HVOCS, including PCE and TCE, associated with the use of a degreaser at the facility, and is under directive from the CRWQCB-LAR to perform assessment on its property (ARCADIS, 2009).

Both the former Jalk Fee property and the CHT facility are located within the Omega Chemical Superfund plume, an area more than four miles long, with documented regional HVOOC concentrations in groundwater relating to historical industrial activities in the cities of Santa Fe Springs and Whittier. The contaminants of concern relating to the Omega Chemical Superfund Site are HVOOCs, including PCE and TCE (CH2M HILL, Inc., 2010).

BACKGROUND

The site contained oil production facilities from the 1920s to the 1990s, and the oil field facilities were removed in the 1990s. The documented contaminants of concern at the site related to oil field operations were hydrocarbons and metals. ExxonMobil has not identified records that show it used HVOOCs at the Jalk Fee property (ARCADIS, 2009). As acknowledged in CRWQCB-LAR's letter dated June 23, 2010 to CHT, "the adjacent Jalk Fee property was used for oil production operations and no primary sources(s) of PCE contamination have been identified."

In 1997, Alton Geoscience completed site assessment activities to delineate the distribution of previously identified HVOOC- and hydrocarbon-containing soil in the vicinity of the southeastern property boundary and eastern central portion of the site. At the completion of the assessment work, a fate and transport model was completed, which indicated that the concentrations of the residual hydrocarbons left in place posed no risk to groundwater (Alton

Geoscience, 1997). In June 1998, Alton Geoscience completed remedial excavation activities of HVOCS- and hydrocarbon-containing soil in three areas along the southern property boundary and eastern central portion of the site (Alton Geoscience, 1998). Based on the results of the soil remediation activities and the fate and transport model, the CRWQCB-LAR issued a closure letter for soil on March 1, 1999.

In November 2000, TRC Alton Geoscience (TRC) completed additional remedial excavation activities in seven areas throughout the former Jalk Fee property to remove hydrocarbon-containing soil as directed by the Santa Fe Springs Fire Department (SFSFD) to facilitate planned redevelopment of the site. Confirmation soil samples collected from the post-excavation areas indicated that cleanup goals set by the SFSFD had been achieved. An exposure assessment was also completed, which indicated that no additional mitigation was warranted to protect human health prior to initiating site development activities (TRC, 2000). The SFSFD and the CRWQCB-LAR issued no further action letters for soil in directives dated December 26, 2000 and March 5, 2001, respectively. The CRWQCB-LAR letter stated "we have determined that the chlorinated and petroleum hydrocarbons contaminated soils have been remediated to levels satisfactory to this Regional Board and protective of groundwater."

In 2003, the property was paved and redeveloped as an industrial business park.

Based upon the presence of HVOCS in groundwater, the CRWQCB-LAR required continued groundwater monitoring at the site, which has occurred for the past 11 years, utilizing wells MMW-04 and MMW-05. Well MMW-3 was destroyed in 2001 to facilitate redevelopment of the property.

In March and April 2011, groundwater monitoring wells MW6A/B/C through MW8A/B/C were installed at the site to delineate the vertical, crossgradient and upgradient extents of dissolved phase HVOCS.

GEOLOGY AND HYDROGEOLOGY

The site is located within the Santa Fe Springs Oil Field on the Santa Fe Springs Plain, which is part of the Montebello Forebay non-pressure area of the Central Basin [California Department of Water Resources (CDWR), 1961]. Groundwater is found throughout the region under unconfined conditions in the Recent Alluvium and in the underlying Exposition Aquifer. Within the Santa Fe Springs Oil Field, the upper 100 feet of sediments consist predominantly of permeable sands, although the upper 15 feet of sediments have a higher silt and clay content and lower permeability. Assessment activities indicate that the soil beneath the site consists of interbedded layers of silt, sandy silt, sand and gravel from the surface to at least 160 feet bgs. Sandy clay or clay has been encountered from 160 to 190 feet bgs, the maximum depth explored. The clay layer is interpreted to be the aquiclude which separates the Exposition Aquifer from the deeper Gage Aquifer.

The first regional groundwater-bearing zone in the site vicinity is the Exposition Aquifer, which is encountered at 100 feet bgs. This aquifer ranges in thickness from 75 to 100 feet, and is underlain by a 50 foot thick aquiclude, beneath which is the Gage Aquifer (CDWR, 1961).

August 5, 2011



Please call me at 805 644 4157, extension 181805, if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "James Anderson".

James Anderson
Senior Engineer
for Cardno ERI
Direct Line 805 644 4157, extension 181805
Email: james.anderson@cardno.com

cc: Ms. Holly Saffold, EMES
Mr. Griffen Cogorno
Mr. Thomas Clark, Coast Aluminum & Architectural, Inc.
Mr. William Macnider, CSI Electric Contractors
Ms. Michelle F. Smith
Mr. John Maple

Enclosures:

References
Acronym List

First Half 2011 Groundwater Monitoring and Status Report dated August 5, 2011

REFERENCES

Alton Geoscience. October 10, 1997. *Site Assessment Report and Remedial Action Plan*.

ARCADIS. October 27, 2009. *2009 Annual Groundwater Monitoring Report and Closure Request*.

California Department of Water Resources (CDWR). 1961. *Groundwater Geology of the Coastal Plain of Los Angeles County, Idealized Geologic Sections M-M' and N-N'*.

CH2M HILL, Inc. August 2010. *Feasibility Study Report, Omega Chemical Corporation Superfund Site, Operable Unit 2*.

TRC. November 28, 2000. *Site Closure Report and Risk Assessment*.

CARDNO ERI LIST OF ACRONYMS

SCAQMD – South Coast Air Quality Management District	SVE – soil vapor extraction
bgs – below ground surface	TAME – tertiary amyl methyl ether
BTEX – benzene, toluene, ethylbenzene and total xylenes	TBA – tertiary butyl alcohol
LUFT – California leaking underground fuel tank	TCE – trichloroethene
cis-1,2-DCE – cis-1,2-dichloroethene	TEMP - temperature
CL – closed well	TPHd – total petroleum hydrocarbons as diesel
COND - conductivity	TPHg – total petroleum hydrocarbons as gasoline
CRWQCB-CCR –	TRPH – total recoverable petroleum hydrocarbons
California Regional Water Quality Control Board, Central Coast Region	$\mu\text{g}/\text{L}$ – micrograms per liter
CRWQCB-LAR –	UST – underground storage tank
California Regional Water Quality Control Board, Los Angeles Region	VC – vinyl chloride
DIA - diameter	VES – vapor extraction system
DIPE – di-isopropyl ether	VOC – volatile organic compound
DO – dissolved oxygen	VOL – volume
EDB – ethylene dibromide or 1,2-dibromoethane	$^{\circ}\text{C}$ – degrees Celsius or centigrade
EDC – ethylene dichloride or 1,2-dichloroethane	
ELEV - elevation	
EPA – Environmental Protection Agency	
ETBE – ethyl tertiary butyl ether	
FI – field instrument	
FPD –Santa Barbara County Fire Department, Fire Prevention Division	
ft - feet	
GW - groundwater	
GWPTS – groundwater pump and treat system	
J - estimated value between MDL and PQL	
MDL – method detection limit	
mg/l – milligrams per liter	
DPE – dual-phase extraction	
msl – mean sea level	
MTBE – methyl tertiary butyl ether	
NA – not analyzed	
NAPL – non-aqueous phase liquid	
ND – not detected	
NM – not measured	
NPDES – National Pollutant Discharge Elimination System	
NS – not sampled	
NT – not tested	
N/A – not applicable	
O&M – operations and maintenance	
ppbv – parts per billion by volume	
PCE – tetrachloroethylene or perchloroethylene	
P.G. – professional geologist	
pH –hydrogen potential	
ppmv – parts per million by volume	
PQL – practical quantitation limit	
PRG - purge	
psig – pounds per square inch gauge	
scfh – standard cubic feet per hour	
scfm – standard cubic feet per minute	

GROUNDWATER MONITORING AND STATUS REPORT SUMMARY SHEET
FIRST HALF 2011
Former ExxonMobil Jalk Fee Property, 10607 Norwalk Boulevard, Santa Fe Springs, California
CARDNO ERI 1155

SITE INFORMATION:	
Responsible Party / Contact:	ExxonMobil Environmental Services / Ms. Holly Saffold: 281-654-8460
Responsible Party Address:	14950 Heathrow Forest Parkway, Office no. P022C-2, Houston, Texas 77032
Station / Site ID:	Jalk Fee
Current Site Use:	Multi-use Commercial property
Global ID:	SL184801463
Lead Regulatory Agency/Case#/Site#/Case Worker:	CRWQCB-LAR / 0203 / 1848000 / Dr. Ann Chang
Date of Most Recent Regulatory Letter:	March 4, 2011
Primary Consultant / Project Manager:	Cardno ERI / Mr. James Anderson 805 644 4157, ext. 181805
Well Monitoring Contractor:	Cardno ERI
Site Monitoring Frequency:	Semi-annual
Well(s) and/or Subsurface Water Within 2,000 ft.:	None
Number of Groundwater Wells On Site:	6
Number of Groundwater Wells Off Site:	2
Phase of Vadose Investigation:	No Further Action
Phase of Groundwater Investigation:	Monitoring / Complete
Nature of Impact:	Chlorinated hydrocarbons

SITE HYDROLOGY

Number of Water Zones:	1
Depth to Groundwater Range (ft-TOC)	91.75 - 95.05
Potentiometric Surface Elevation Range (ft-MSL):	38.33 - 44.02
Flow Direction/Hydraulic Gradient (ft/ft):	Southwest / 0.006

FIELD ACTIVITY (CURRENT REPORTING PERIOD):

		Wells with NAPL:	
		Well	Feet
Groundwater Monitoring Date:	4/19/11	None	N/A
Groundwater Wells Gauged:	11		
Groundwater Wells Sampled:	11		
Sampling Method:	Purge		
Gallons of Groundwater Purged:	185		
Treatment Method / Disposal Facility:	Recycle/Crosby & Overton		
Analysis:	full scan VOCs by EPA 8260B		

GROUNDWATER CONDITIONS SHALLOW WELLS:

No. of wells with Detectable PCE:	5	PCE Range (ug/l):	4.7 - 830
No. of wells with Detectable TCE:	5	TCE Range (ug/l):	14 - 290
No. of wells with Detectable 1,1-DCA:	5	1,1-DCA Range (ug/l):	1.1 - 28
No. of wells with Detectable 1,1-DCE:	5	1,1-DCE Range (ug/l):	11 - 110

GROUNDWATER CONDITIONS INTERMEDIATE WELLS:

No. of wells with Detectable PCE:	3	PCE Range (ug/l):	2.7 - 130
No. of wells with Detectable TCE:	3	TCE Range (ug/l):	34 - 97
No. of wells with Detectable 1,1-DCA:	3	1,1-DCA Range (ug/l):	2.0 - 27
No. of wells with Detectable 1,1-DCE:	3	1,1-DCE Range (ug/l):	33 - 150

GROUNDWATER CONDITIONS DEEP WELLS:

No. of wells with Detectable PCE:	3	PCE Range (ug/l):	7.2 - 1,800
No. of wells with Detectable TCE:	3	TCE Range (ug/l):	5.2 - 140
No. of wells with Detectable 1,1-DCA:	3	1,1-DCA Range (ug/l):	0.93J - 3.0
No. of wells with Detectable 1,1-DCE:	3	1,1-DCE Range (ug/l):	5.6 - 18

GROUNDWATER MONITORING AND STATUS REPORT SUMMARY SHEET
FIRST HALF 2011
Former ExxonMobil Jalk Fee Property, 10607 Norwalk Boulevard, Santa Fe Springs, California
CARDNO ERI 1155

ACTIVITIES PERFORMED THIS REPORTING PERIOD:

- Conducted the first half 2011 groundwater monitoring and sampling event.
- Installed multi-depth groundwater monitoring wells MW6A/B/C through MW8A/B/C.
- Submitted a *Well Installation Report* dated May 1, 2011, describing the installation of groundwater monitoring wells MW6A/B/C through MW8A/B/C.
- Groundwater monitoring and sampling data for the adjacent Continental Heat Treating Facility was obtained from Fero Engineering's *Quarterly Groundwater Well Monitoring Report* dated April 14, 2011. The groundwater monitoring event for the three Continental Heat Treating wells was performed on March 29, 2011.

TREND ANALYSIS / CONCLUSIONS:

- PCE, TCE, 1,1-DCA, 1,1-DCE concentrations in wells MMW-05 and MMW-04 remained stable as compared to the previous sampling event.

ACTIVITIES TO BE PERFORMED NEXT REPORTING PERIOD:

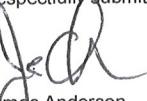
- Conduct the second half 2011 groundwater monitoring and sampling event during November 2011.
- Request the CRWQCB-LAR direct coordinated groundwater monitoring between ExxonMobil and Continental Heat Treating.

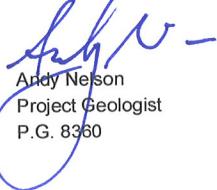
PROPOSED FUTURE WORK TO PROGRESS SITE TOWARD CLOSURE:

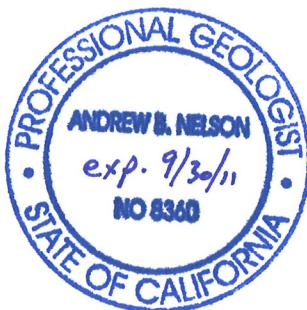
- Continue semi-annual groundwater sampling to establish a trend in dissolved phase chlorinated hydrocarbon concentrations.

For any questions, please call Mr. James Anderson with Cardno ERI at 805 644 4157, extension 181805.

Respectfully submitted,

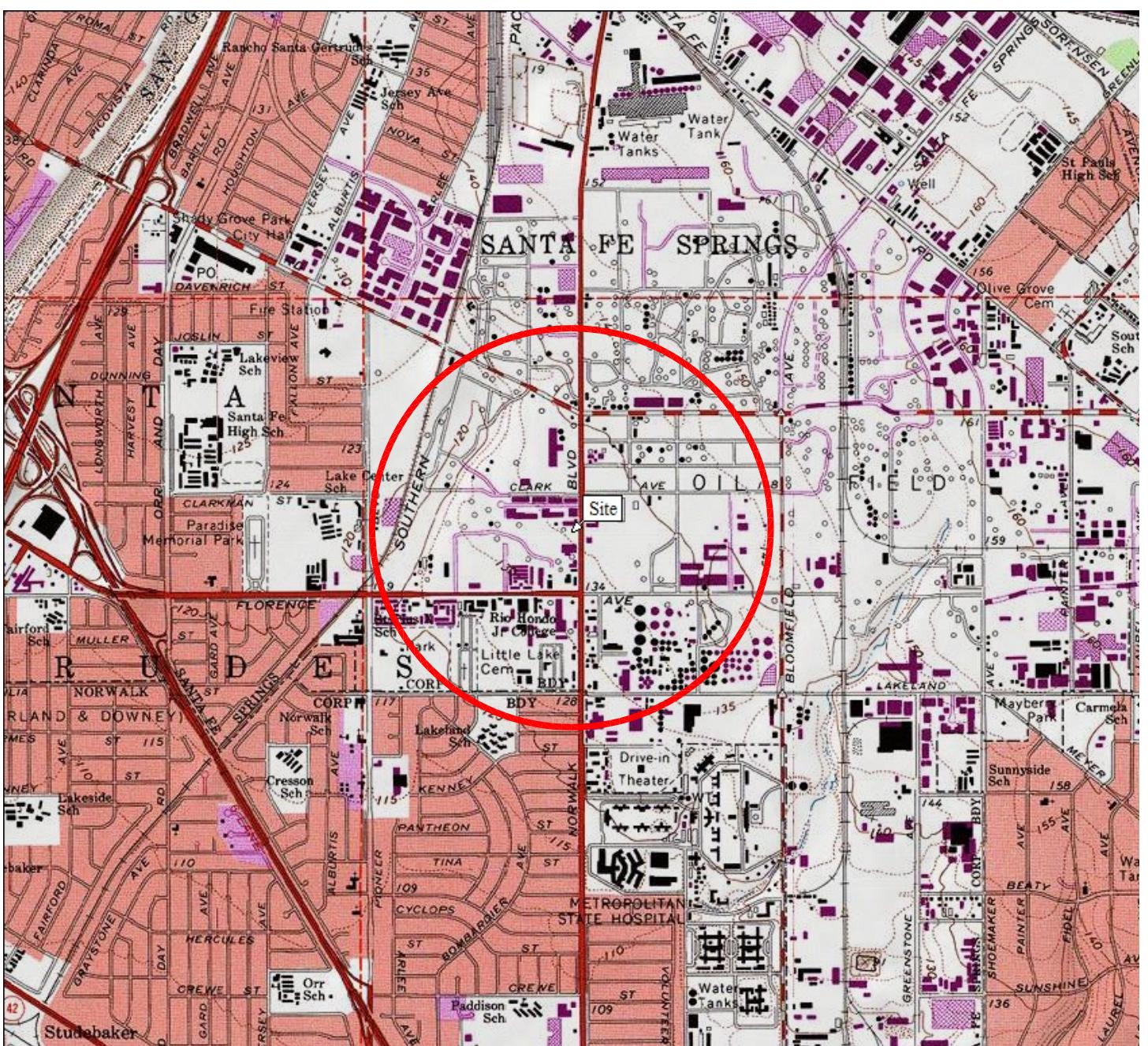

James Anderson
Senior Engineer


Andy Nelson
Project Geologist
P.G. 8360



ATTACHED:

- Site Location Map (Plate 1)
- Generalized Site Plan (Plate 2)
- Groundwater Elevation Contour Map – 4/19/11 (Plate 3)
- PCE Groundwater Isopleth Concentration Map - Shallow Wells – 4/19/11 (Plate 4)
- TCE Groundwater Isopleth Concentration Map - Shallow Wells – 4/19/11 (Plate 5)
- 1,1-DCA Groundwater Isopleth Concentration Map - Shallow Wells – 4/19/11 (Plate 6)
- 1,1-DCE Groundwater Isopleth Concentration Map - Shallow Wells – 4/19/11 (Plate 7)
- PCE Groundwater Isopleth Concentration Map - Intermediate Wells – 4/19/11 (Plate 8)
- TCE Groundwater Isopleth Concentration Map - Intermediate Wells – 4/19/11 (Plate 9)
- 1,1-DCA Groundwater Isopleth Concentration Map - Intermediate Wells – 4/19/11 (Plate 10)
- 1,1-DCE Groundwater Isopleth Concentration Map - Intermediate Wells – 4/19/11 (Plate 11)
- PCE Groundwater Isopleth Concentration Map - Deep Wells – 4/19/11 (Plate 12)
- TCE Groundwater Isopleth Concentration Map - Deep Wells – 4/19/11 (Plate 13)
- 1,1-DCA Groundwater Isopleth Concentration Map - Deep Wells – 4/19/11 (Plate 14)
- 1,1-DCE Groundwater Isopleth Concentration Map - Deep Wells – 4/19/11 (Plate 15)
- Water Level Measurements and Groundwater Analyses (Table 1)
- Cumulative Water Level Measurements and Groundwater Analyses (Table 2)
- Summary of BTEX and Fuel Oxygenates Groundwater Monitoring Results (Table 3)
- Cumulative BTEX and Fuel Oxygenates Groundwater Monitoring Results (Table 4)
- Laboratory Report
- Groundwater Sampling Field Logs
- Bill of Lading
- Groundwater Monitoring and Sampling Field Protocol

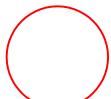


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Map Name: Whittier, CA
Version: 1981

EXPLANATION

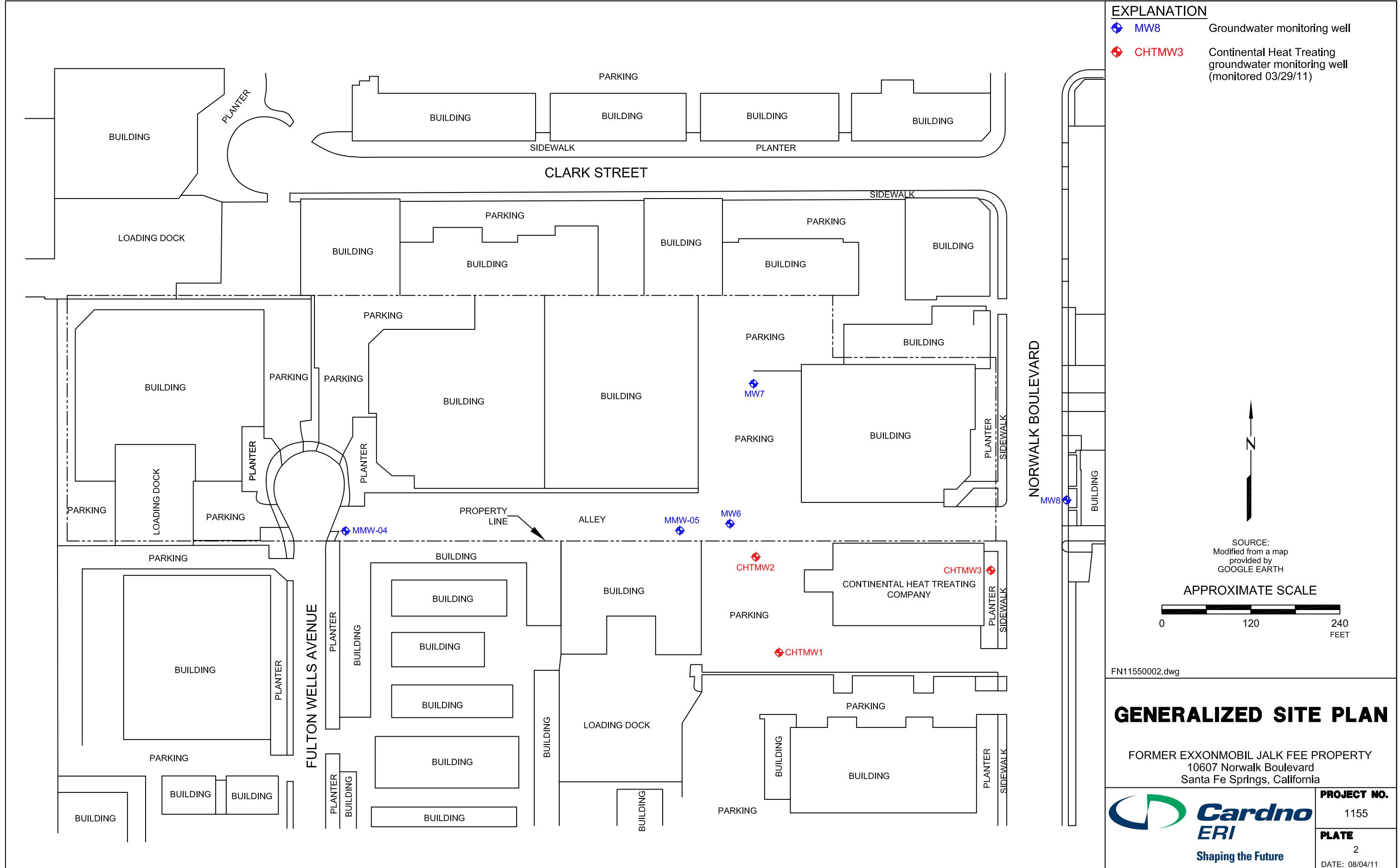


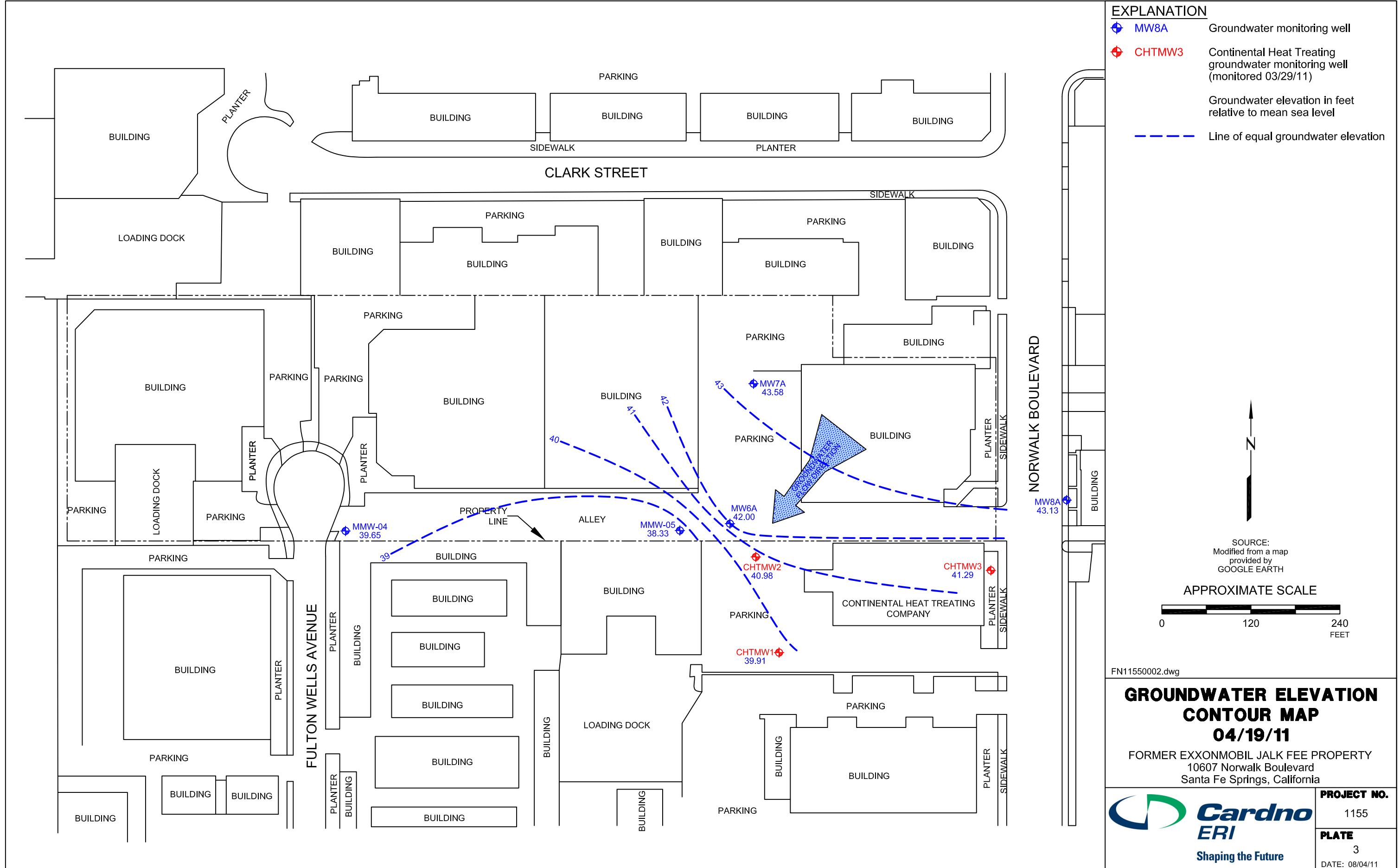
1/2-mile radius circle

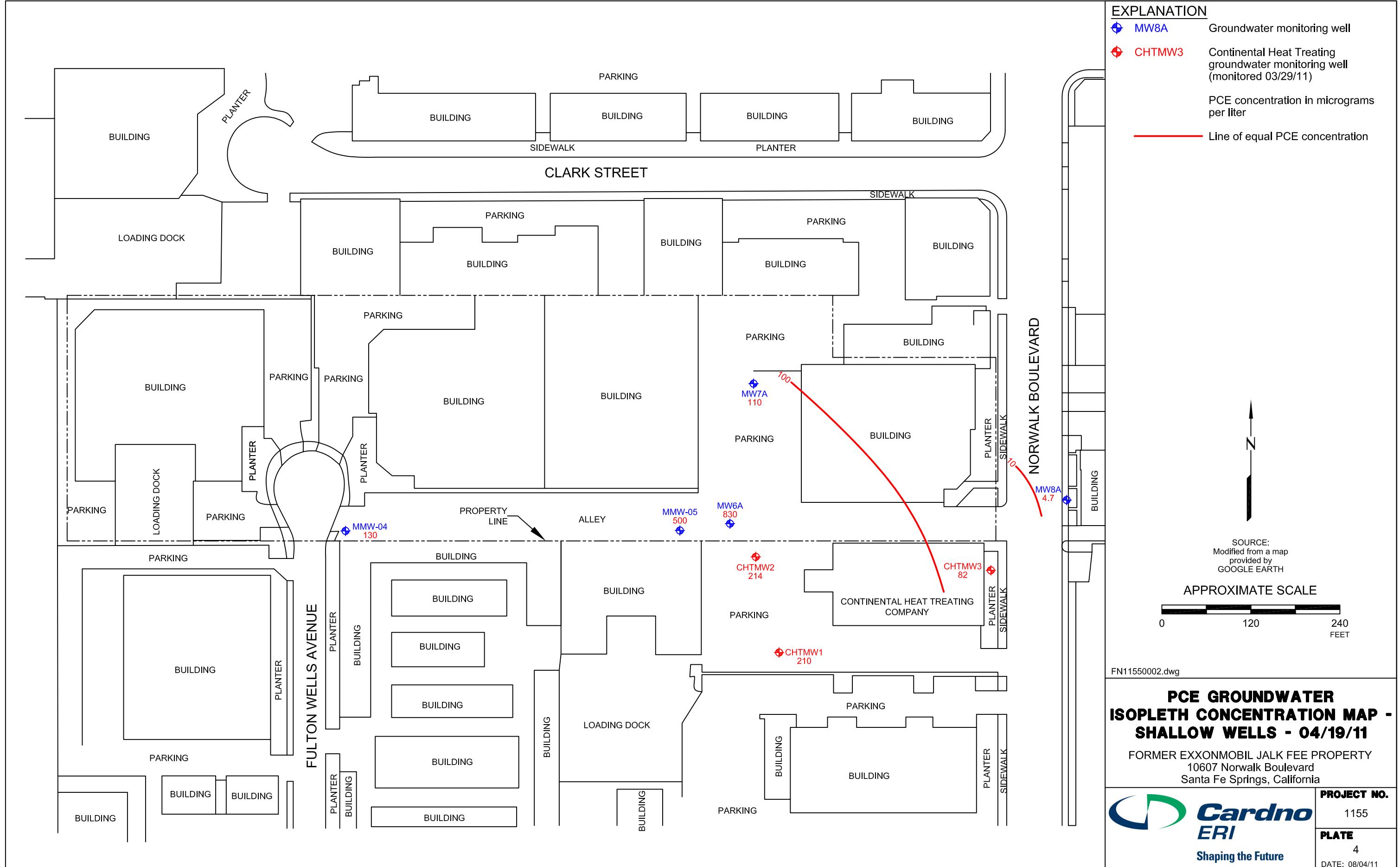
APPROXIMATE SCALE

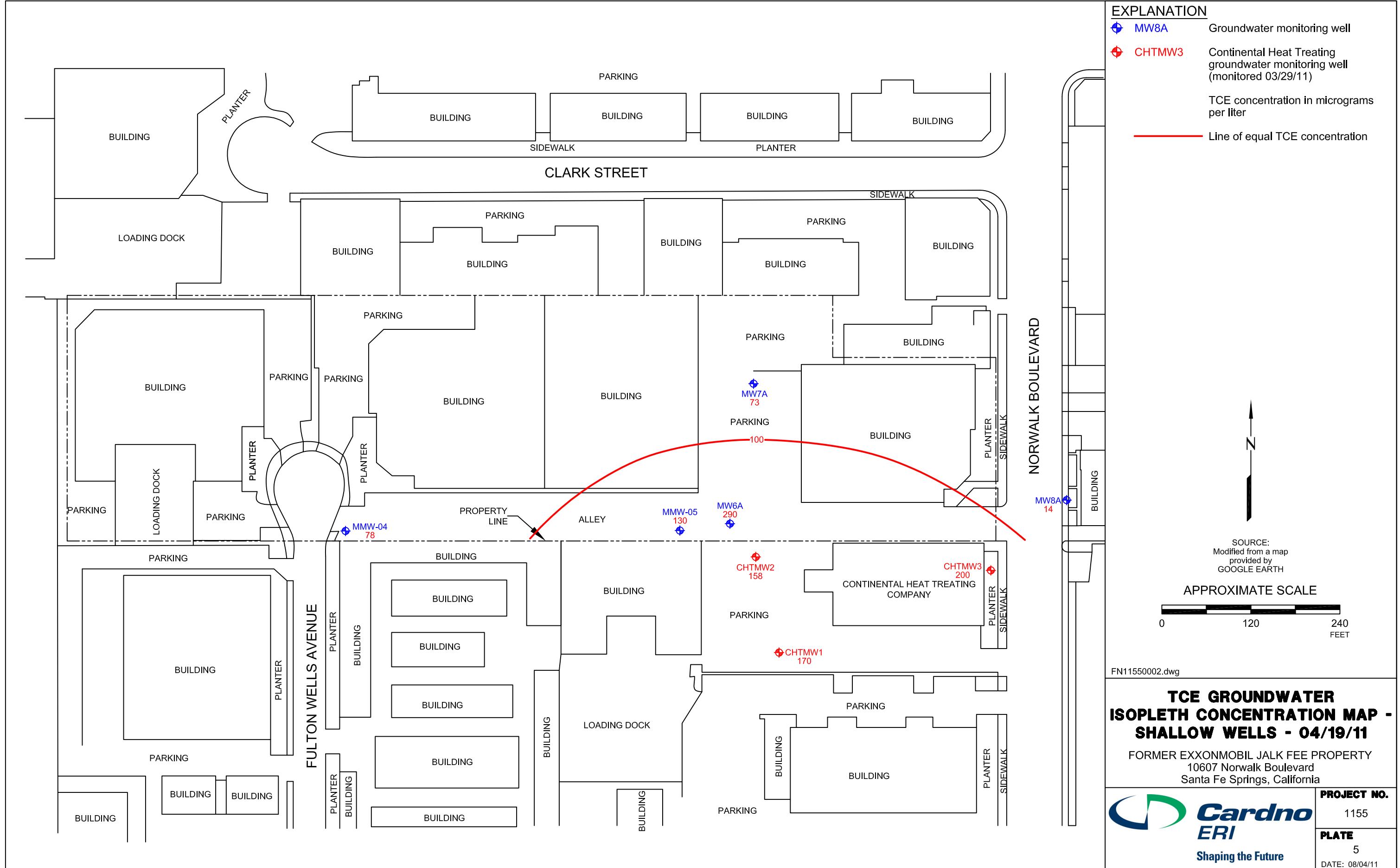


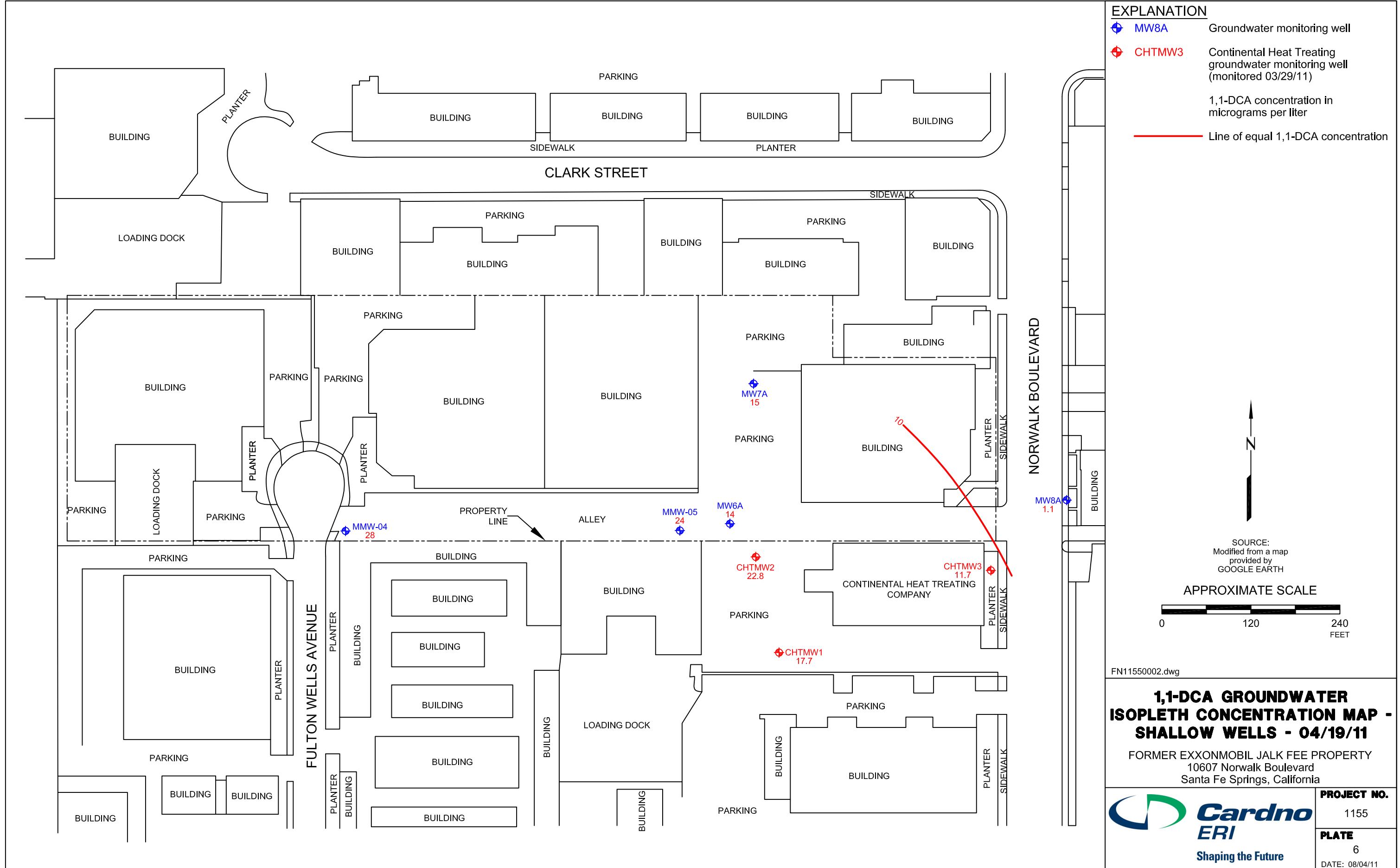
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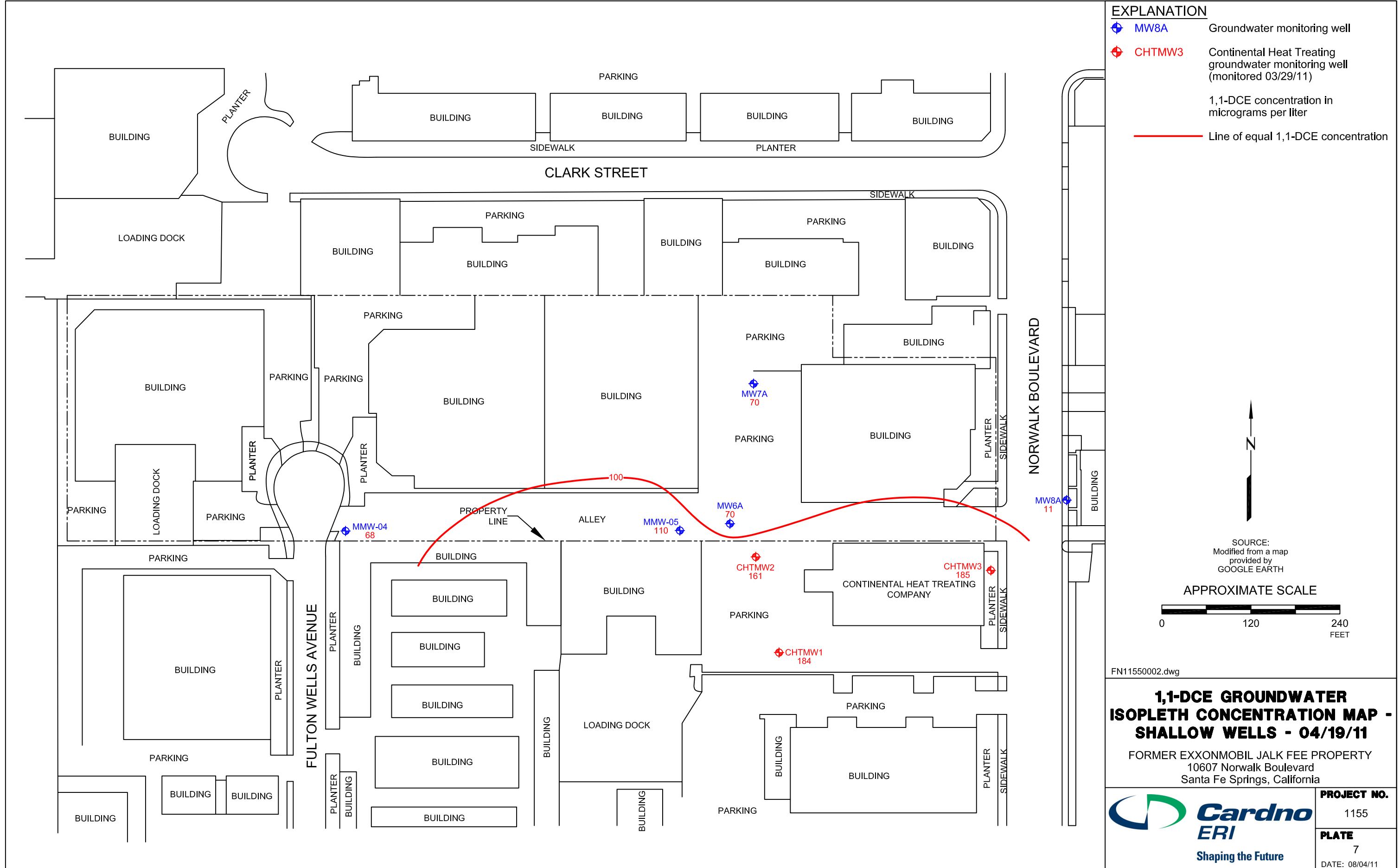


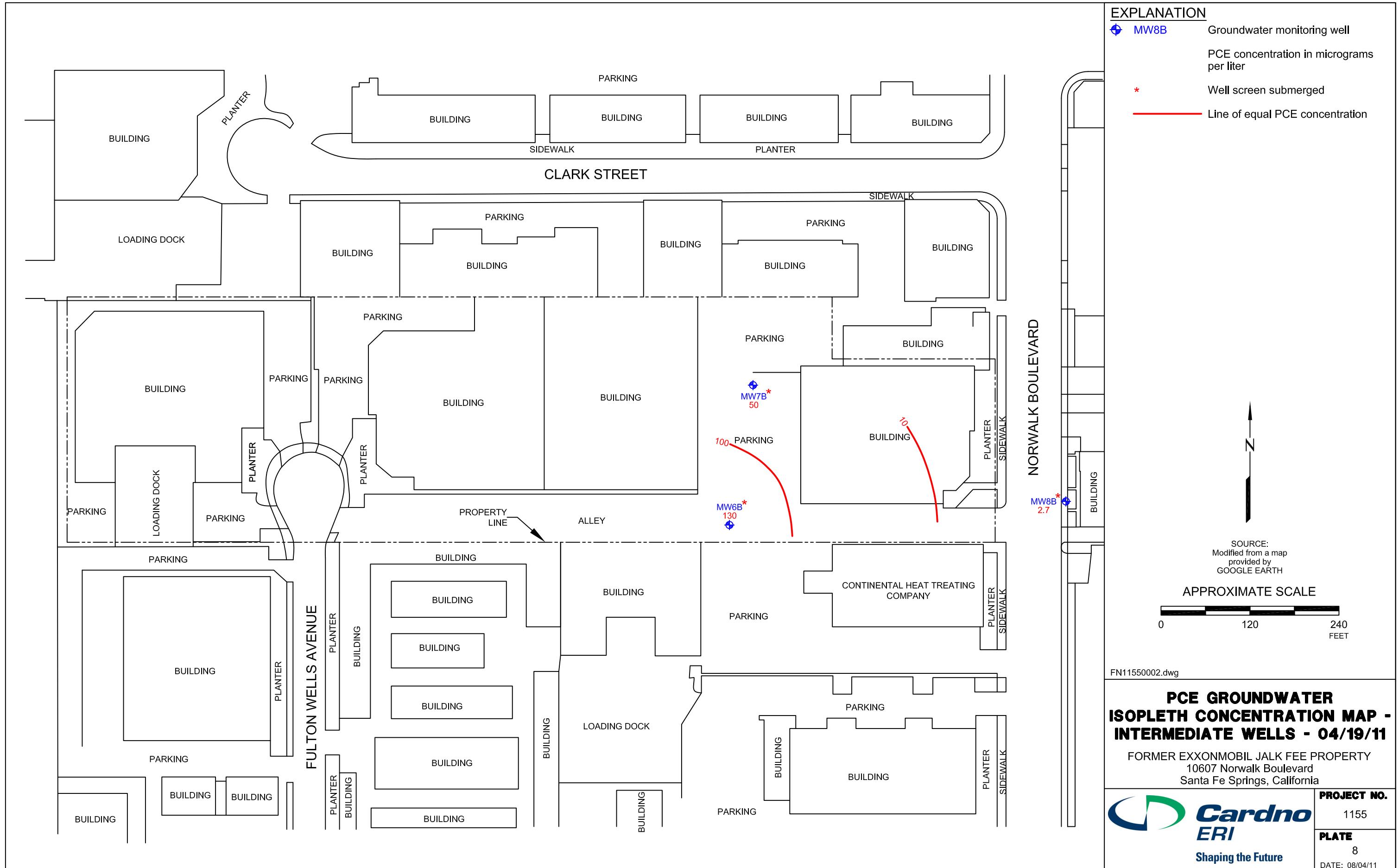


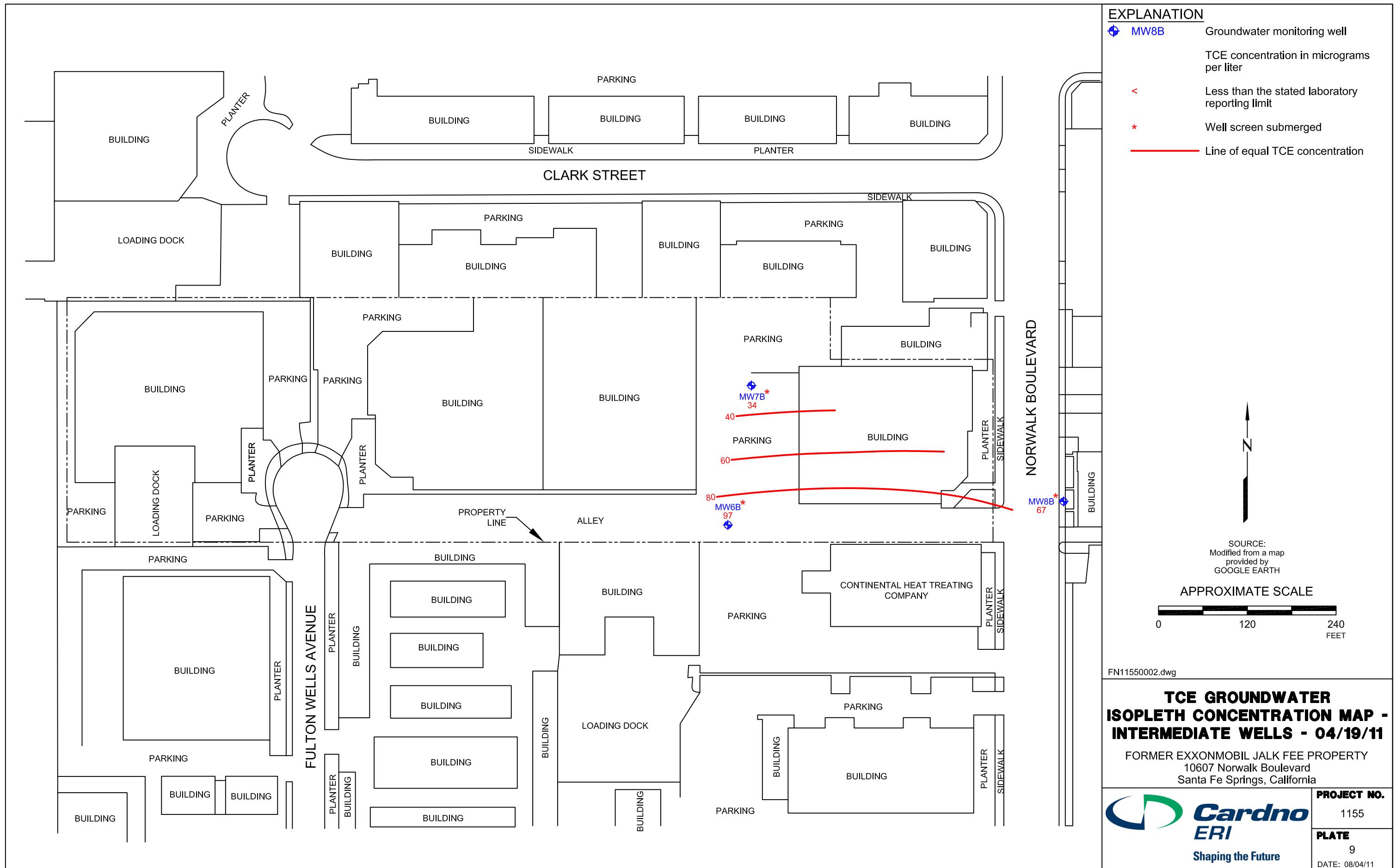


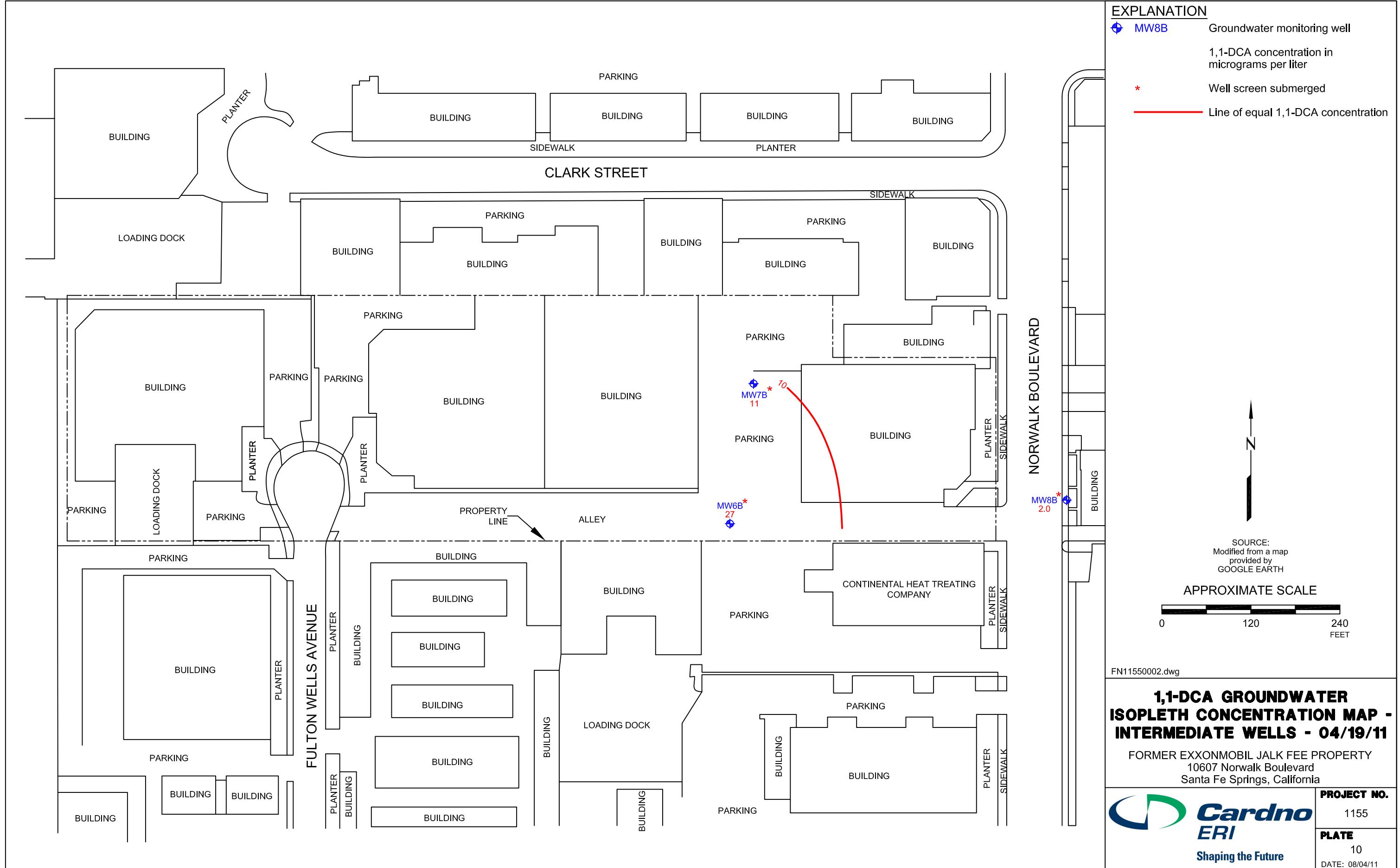


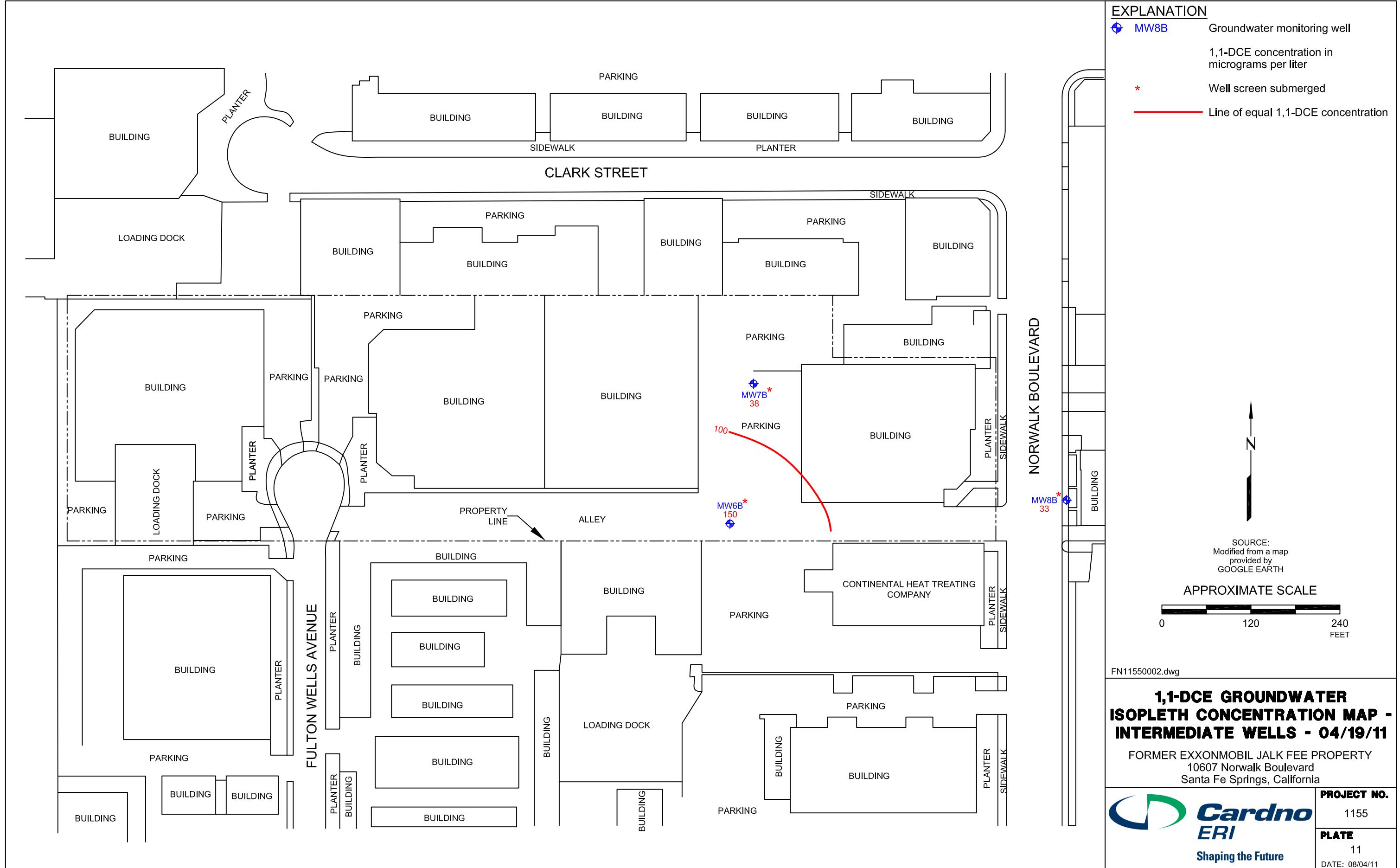


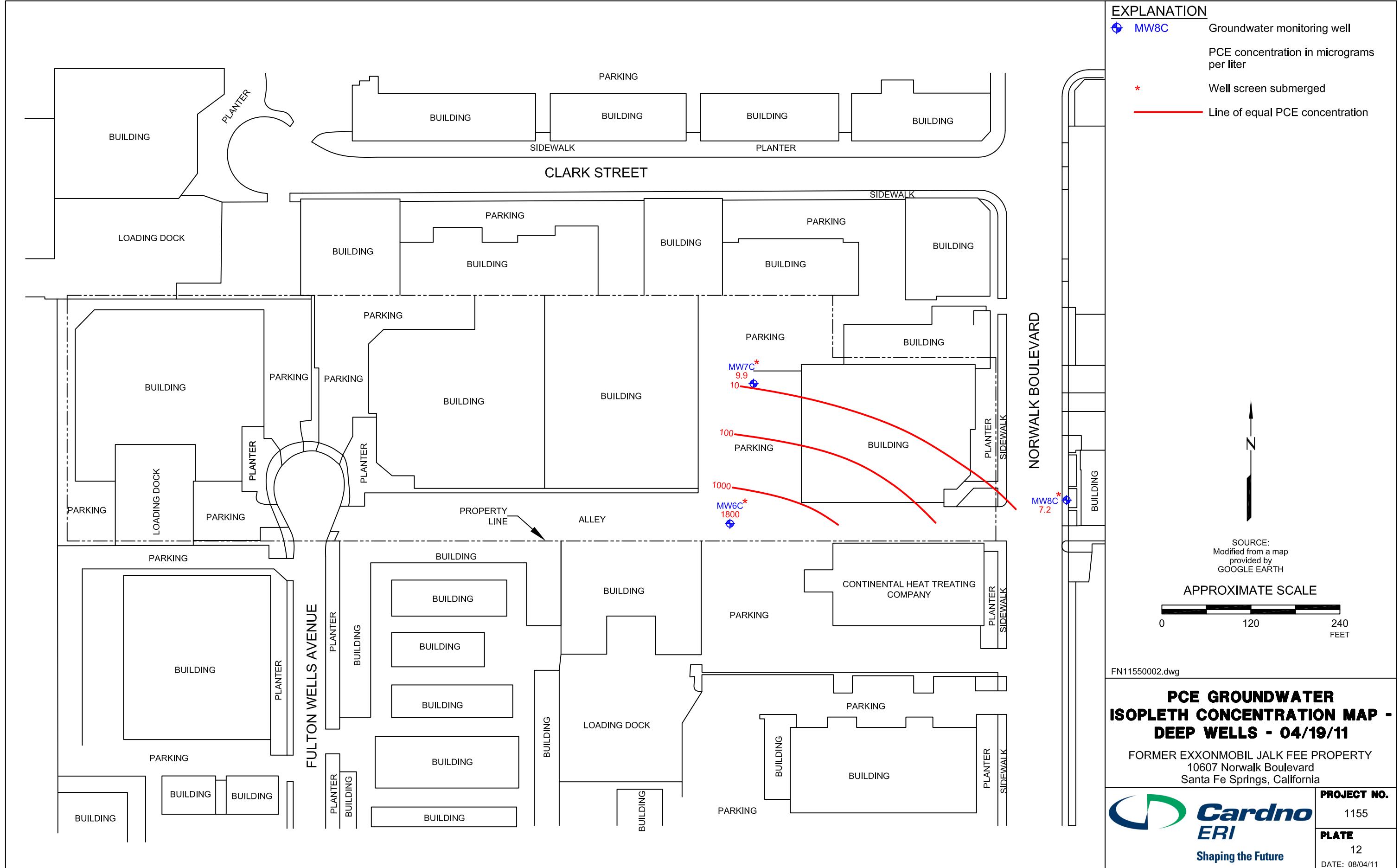


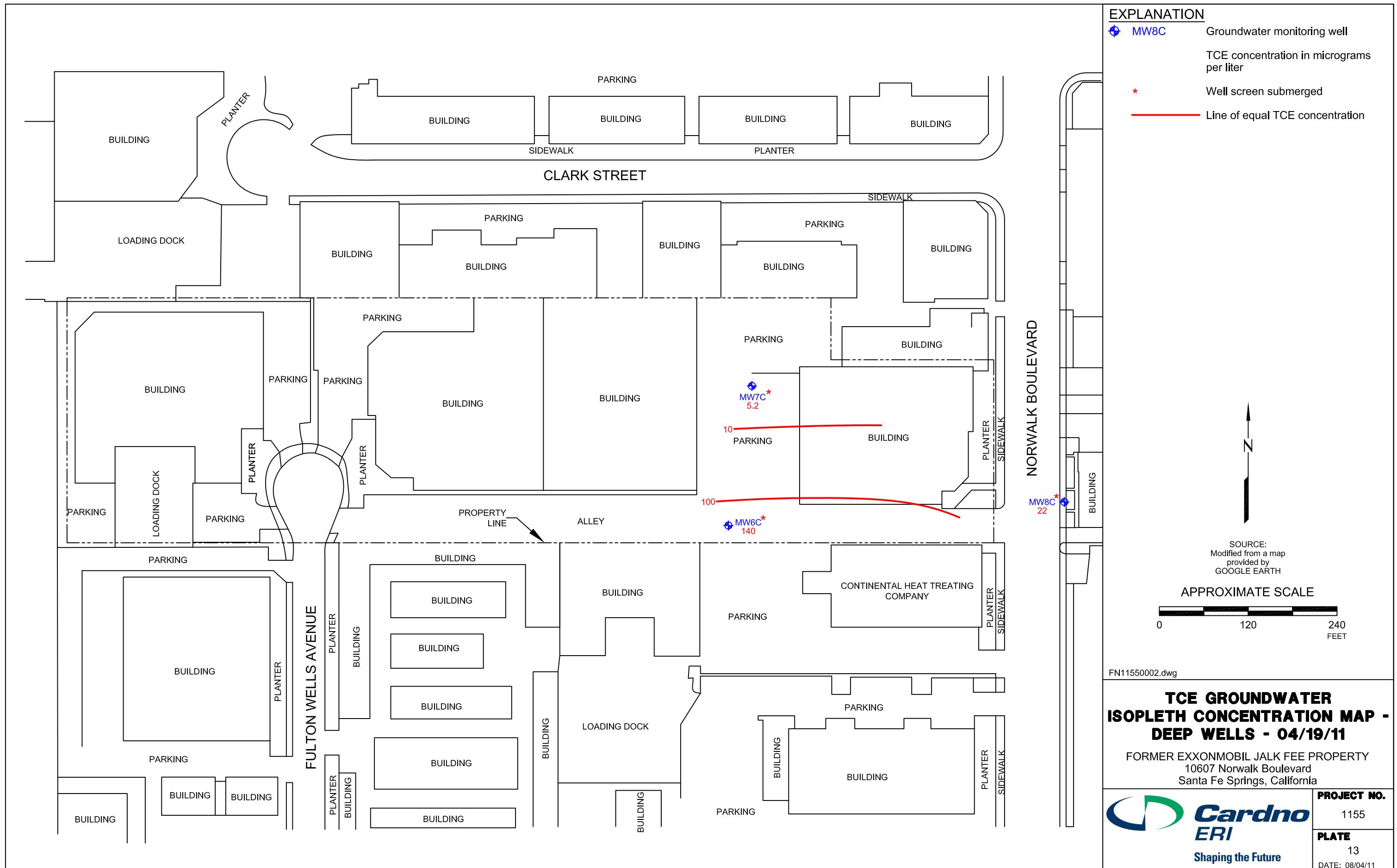


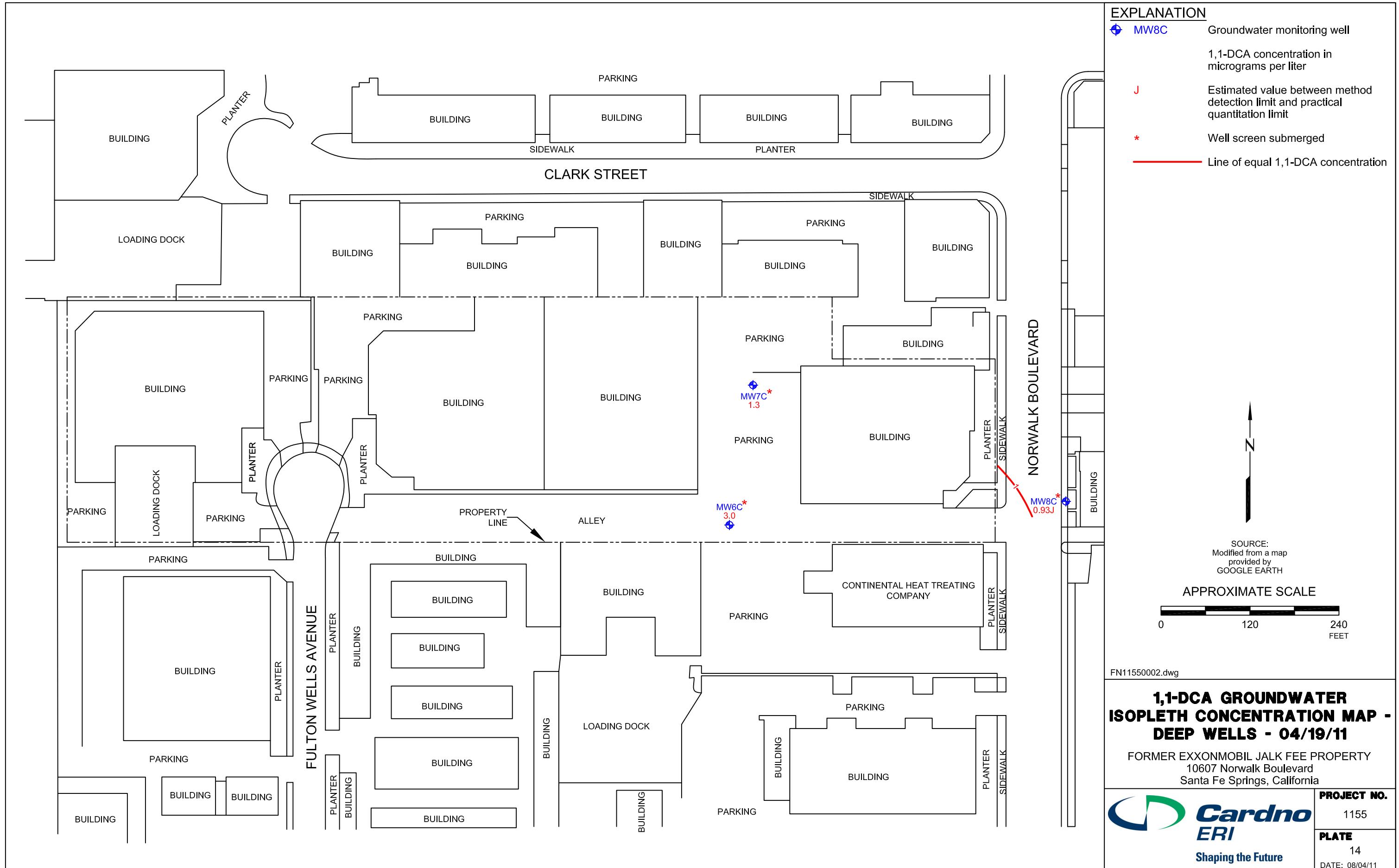












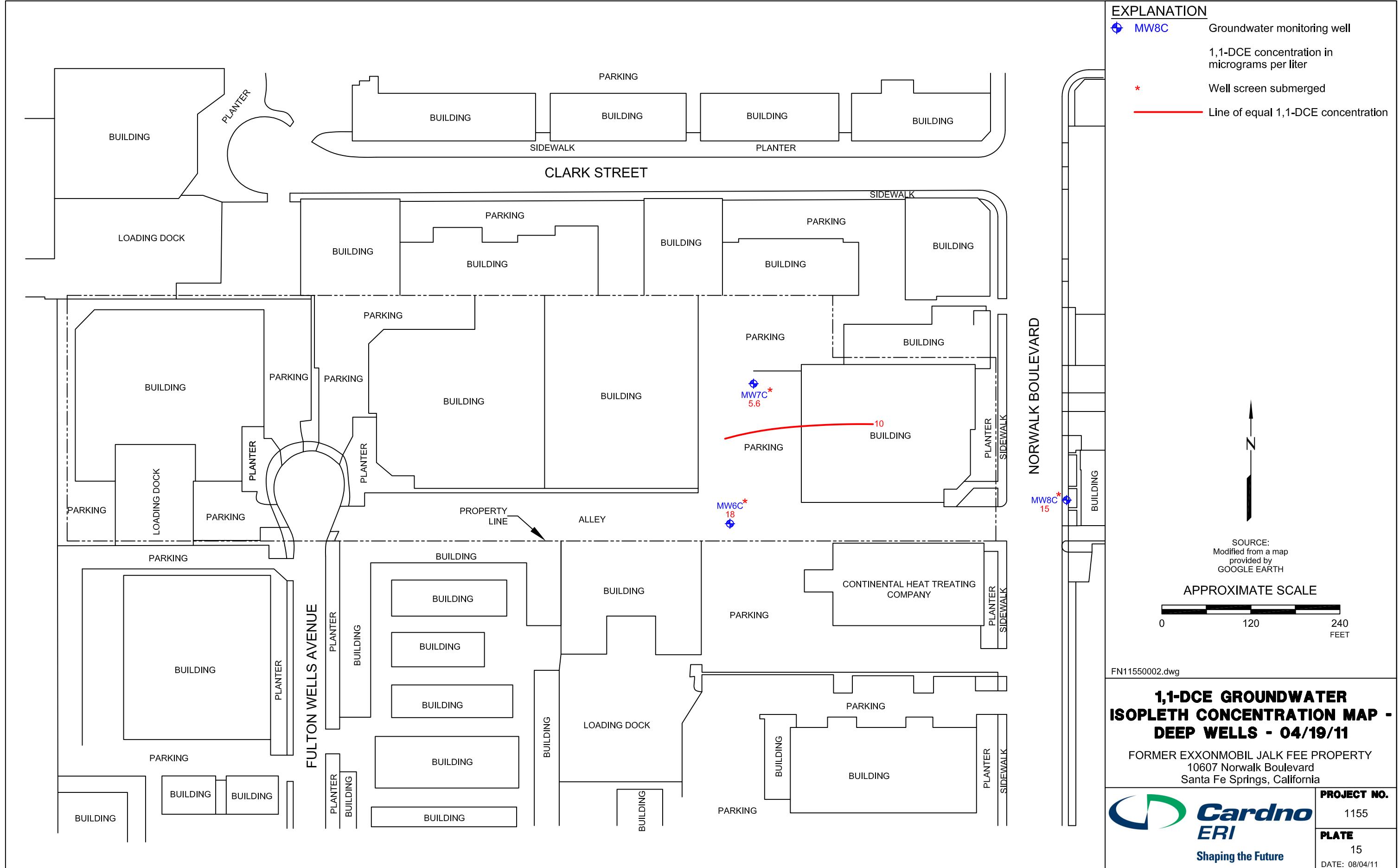


TABLE 1
WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
FORMER EXXONMOBIL JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
CARDNO ERI 1155

WELL	DATE	Well Elev (feet-MSL)	GW Depth (feet-TOC)	GW Elev (feet-MSL)	NAPL (feet)	PCE ($\mu\text{g/l}$)	TCE ($\mu\text{g/l}$)	DCE ($\mu\text{g/l}$)	Vinyl Chloride ($\mu\text{g/l}$)	1,1,1- Trichloroethane ($\mu\text{g/l}$)	1,1,2-Trichloro- 1,2,2 Trifluoroethane ($\mu\text{g/l}$)	1,1- Dichloroethane ($\mu\text{g/l}$)
MMW-04	4/19/2011	131.40	91.75	39.65	no	130	78	74	<0.50	0.93 J	13	28
MMW-05	4/19/2011	133.38	95.05	38.33	no	500	130	76	1.1	<1.0	18	24
MW6A	4/19/2011	136.53	94.53	42.00	no	830	290	900	7.2	<10	7.1 J	14
MW6B	4/19/2011	136.54	93.89	42.65	no	130	97	100	0.48 J	<1.0	2.3 J	27
MW6C	4/19/2011	136.53	93.23	43.30	no	1800	140	110	11	<1.0	<10	3.0
MW7A	4/19/2011	138.22	94.64	43.58	no	110	73	41	0.61	<1.0	12	15
MW7B	4/19/2011	138.14	94.12	44.02	no	50	34	27	<0.50	<1.0	4.2 J	11
MW7C	4/19/2011	138.22	94.26	43.96	no	9.9	5.2	4.8	<0.50	<1.0	1.0 J	1.3
MW8A	4/19/2011	137.66	94.53	43.13	no	4.7	14	18	<0.50	<1.0	<10	1.1
MW8B	4/19/2011	137.70	94.38	43.32	no	2.7	67	11	<0.50	<1.0	<10	2.0
MW8C	4/19/2011	137.73	94.36	43.37	no	7.2	22	3.8	<0.50	<1.0	<10	0.93 J
TRIP BLANK	4/19/2011				no	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0
DUP	4/19/2011				no	DUPLICATE SAMPLE INADVERTENTLY NOT TAKEN						

TABLE 1
WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
FORMER EXXONMOBIL JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
CARDNO ERI 1155

WELL	DATE	1,1- Dichloroethene ($\mu\text{g/l}$)	1,2,3- Trichlorobenzene ($\mu\text{g/l}$)	1,2,4- Trimethylbenzene ($\mu\text{g/l}$)	1,2- Dichloropropane ($\mu\text{g/l}$)	1,4- Dichlorobenzene ($\mu\text{g/l}$)	Acetone ($\mu\text{g/l}$)	Chloroform ($\mu\text{g/l}$)	Trichlorofluoromethane ($\mu\text{g/l}$)
MMW-04	4/19/2011	68	<1.0	<1.0	<1.0	<1.0	<50	1.6	5.9 J
MMW-05	4/19/2011	110	<1.0	<1.0	<1.0	<1.0	<50	2.2	6.2 J
MW6A	4/19/2011	70	<10	<10	<10	<10	<500	<10	<100
MW6B	4/19/2011	150	<1.0	0.37 J	<1.0	<1.0	<50	0.34 J	<10
MW6C	4/19/2011	18	<1.0	1.2	<1.0	<1.0	<50	3.2	<10
MW7A	4/19/2011	70	<1.0	<1.0	<1.0	<1.0	<50	2.2	3.7 J
MW7B	4/19/2011	38	<1.0	0.60 J	<1.0	<1.0	<50	1.3	0.82 J
MW7C	4/19/2011	5.6	<1.0	0.40 J	<1.0	<1.0	<50	0.84 J	<10
MW8A	4/19/2011	11	<1.0	19	<1.0	<1.0	<50	6.1	<10
MW8B	4/19/2011	33	<1.0	1.6	<1.0	<1.0	29 J	8.8	<10
MW8C	4/19/2011	15	<1.0	1.5	<1.0	<1.0	65	13	<10
TRIP BLANK	4/19/2011	<1.0	<1.0	<1.0	<1.0	<1.0	<50	<1.0	<10
DUP	4/19/2011								

EXPLANATION:

Constituents analyzed by EPA Method 8260B.

DUP = duplicate

ELEV = elevation

GW = groundwater

feet-MSL = feet above mean sea level

feet-TOC = feet below top of casing

NAPL = non-aqueous phase liquid (thickness measured in feet)

EPA = Environmental Protection Agency

DCE = c-1,2-Dichloroethene

PCE = Tetrachloroethene or perchloroethylene

TCE = Trichloroethene

J = estimated value between method detection limit and practical quantitation limit

ND = not detected at or above the stated laboratory reporting limit

< = not detected at or above the stated laboratory reporting limit

$\mu\text{g/l}$ = micrograms per liter

TABLE 2
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
FORMER EXXONMOBIL JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
CARDNO ERI 1155

WELL	DATE	Well Elev (feet-MSL)	GW Depth (feet-TOC)	GW Elev (feet-MSL)	NAPL (feet)	PCE ($\mu\text{g/l}$)	TCE ($\mu\text{g/l}$)	DCE ($\mu\text{g/l}$)	Vinyl Chloride ($\mu\text{g/l}$)	1,1,1- Trichloroethane ($\mu\text{g/l}$)	1,1,2-Trichloro- 1,2,2 Trifluoroethane ($\mu\text{g/l}$)	1,1- Dichloroethane ($\mu\text{g/l}$)
MMW-03	8/31/2000 (a)	134.26	70.67	63.59	no	4.4	0.5	--		--	--	1.7
MMW-03	3/5/2001 (a)	134.26	71.30	62.96	no	14	20	0.65 J		<1.0	--	1.5
MMW-03	6/12/2001 (a)	134.26	70.07	64.19	no	9.5	22	<1.0		<1.0	--	1.9
MMW-03	12/31/2001(a)(b)				no				WELL ABANDONED			
MMW-04	6/6/2000 (a)	131.40	70.46	60.94	no	--	--	--		--	--	--
MMW-04	8/31/2000 (a)	131.40	70.58	60.82	no	6.7	17	--		ND<1.0	--	1.9
MMW-04	11/28/2000 (a)	131.40	71.28	60.12	no	--	--	--		--	--	--
MMW-04	3/5/2001 (a)	131.40	71.02	60.38	no	26	27	2.3		ND<1.0	--	2.7
MMW-04	6/12/2001 (a)	131.40	69.81	61.59	no	11	21	2		ND<1.0	--	2.6
MMW-04	12/23/2003 (a)	131.40	78.38	53.02	no	16	21	ND<1.0		ND<1.0	--	2.3
MMW-04	12/21/2004 (a)	131.40	84.73	46.67	no	14	22	0.83 J		ND<1.0	ND<10	2.4
MMW-04	12/2/2005 (a)	131.40	79.01	52.39	no	15	17	0.71 J		ND<1.0	ND<10	1.8
MMW-04	12/19/2006 (a)	131.40	76.66	54.74	no	9.1	15	0.68 J		ND<1.0	ND<10	1.9
MMW-04	12/21/2007 (a)	131.40	79.73	51.67	no	17	23	1.8		ND<1.0	ND<10	3.2
MMW-04	10/24/2008 (a)	131.40	84.13	47.27	no	26	27	5.8		ND<1.0	2.0 J	4.5
MMW-04	9/22/2009 (a)	131.40	91.00	40.40	no	71	60	47		0.52 J	8.1 J	17
MMW-04	10/14/2010	131.40	94.25	37.15	no	85	64	61	<0.50	<1.0	11	21
MMW-04	4/19/2011	131.40	91.75	39.65	no	130	78	74	<0.50	0.93 J	13	28
MMW-05	3/5/2001 (a)	133.38	72.47	60.91	no	650	63	4.1 J		ND<5.0	--	3.6 J
MMW-05	6/12/2001 (a)	133.38	71.29	62.09	no	350	44	3.7		ND<2.0	--	3.2
MMW-05	12/23/2003 (a)	133.38	79.72	53.66	no	660	140	61		5.2	--	14
MMW-05	12/21/2004 (a)	133.38	86.02	47.36	no	510	190	180		ND<10	14 J	43
MMW-05	12/2/2005 (a)	133.38	80.69	52.69	no	330	110	120		4.3	12	33
MMW-05	12/19/2006 (a)	133.38	78.29	55.09	no	160	100	120		3.6	ND<10	37

TABLE 2
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
FORMER EXXONMOBIL JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
CARDNO ERI 1155

WELL	DATE	Well Elev (feet-MSL)	GW Depth (feet-TOC)	GW Elev (feet-MSL)	NAPL (feet)	PCE (µg/l)	TCE (µg/l)	DCE (µg/l)	Vinyl Chloride (µg/l)	1,1,1- Trichloroethane (µg/l)	1,1,2-Trichloro- 1,2,2 Trifluoroethane (µg/l)	1,1- Dichloroethane (µg/l)
MMW-05	12/21/2007 (a)	133.38	80.94	52.44	no	640	110	110		ND<5.0	ND<50	36
MMW-05	10/24/2008 (a)	133.38	85.19	48.19	no	510	100	96		ND<5.0	15 J	29
MMW-05	9/22/2009 (a)	133.38	92.10	41.28	no	160	120	120		1.2	24	42
MMW-05	10/14/2010	133.38	96.85	36.53	no	170	130	71	<0.50	<1.0	25	25
MMW-05	4/19/2011	133.38	95.05	38.33	no	500	130	76	1.1	<1.0	18	24
MW6A	4/19/2011	136.53	94.53	42.00	no	830	290	900	7.2	<10	7.1 J	14
MW6B	4/19/2011	136.54	93.89	42.65	no	130	97	100	0.48 J	<1.0	2.3 J	27
MW6C	4/19/2011	136.53	93.23	43.30	no	1800	140	110	11	<1.0	<10	3.0
MW7A	4/19/2011	138.22	94.64	43.58	no	110	73	41	0.61	<1.0	12	15
MW7B	4/19/2011	138.14	94.12	44.02	no	50	34	27	<0.50	<1.0	4.2 J	11
MW7C	4/19/2011	138.22	94.26	43.96	no	9.9	5.2	4.8	<0.50	<1.0	1.0 J	1.3
MW8A	4/19/2011	137.66	94.53	43.13	no	4.7	14	18	<0.50	<1.0	<10	1.1
MW8B	4/19/2011	137.70	94.38	43.32	no	2.7	67	11	<0.50	<1.0	<10	2.0
MW8C	4/19/2011	137.73	94.36	43.37	no	7.2	22	3.8	<0.50	<1.0	<10	0.93 J
TRIP BLANK	10/14/2010				no	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0
TRIP BLANK	4/19/2011				no	<1.0	<1.0	<1.0	<0.50	<1.0	<10	<1.0
DUP	4/19/2011				no	DUPLICATE SAMPLE INADVERTENTLY NOT TAKEN						
WELL	DATE	1,1- Dichloroethene (µg/l)	1,2,3- Trichlorobenzene (µg/l)	1,2,4- Trimethylbenzene (µg/l)	1,2-Dichloropropane (µg/l)	1,4- Dichlorobenzene (µg/l)	Acetone (µg/l)	Chloroform (µg/l)	Trichlorofluoromethane (µg/l)			
MMW-03	8/31/2000	6.5	ND	--	--	ND	--	--	--			
MMW-03	3/5/2001	7.5	ND	<1.0	<1.0	ND	5.7 J	<1.0	<10			
MMW-03	6/12/2001	9.9	ND	<1.0	1.4	ND	<10	<1.0	<10			
MMW-03	12/31/2001											
MMW-04	6/6/2000	--	--	--	--	--	--	--	--			
MMW-04	8/31/2000	2	ND	--	--	ND	--	--	--			
MMW-04	11/28/2000	--	--	--	--	--	--	--	--			
MMW-04	3/5/2001	5.4	ND	ND<1.0	ND<1.0	ND	7.3 J	ND<1.0	ND<10			
MMW-04	6/12/2001	4.7	ND	1.2	ND<1.0	ND	ND<10	ND<1.0	ND<10			

TABLE 2
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
FORMER EXXONMOBIL JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
CARDNO ERI 1155

WELL	DATE	1,1- Dichloroethene ($\mu\text{g/l}$)	1,2,3- Trichlorobenzene ($\mu\text{g/l}$)	1,2,4- Trimethylbenzene ($\mu\text{g/l}$)	1,2- Dichloropropane ($\mu\text{g/l}$)	1,4- Dichlorobenzene ($\mu\text{g/l}$)	Acetone ($\mu\text{g/l}$)	Chloroform ($\mu\text{g/l}$)	Trichlorofluoromethane ($\mu\text{g/l}$)
MMW-04	12/23/2003	8.8	ND	ND<1.0	ND<1.0	ND	ND<10	ND<1.0	ND<10
MMW-04	12/21/2004	14	ND	ND<1.0	1.6	ND	ND<10	0.23 J	ND<10
MMW-04	12/2/2005	15	ND	ND<1.0	ND<1.0	ND	ND<10	ND<1.0	ND<10
MMW-04	12/19/2006	12	ND	ND<1.0	1.1	ND	11 J	ND<1.0	ND<10
MMW-04	12/21/2007	34	ND	ND<1.0	3	ND	ND<50	ND<1.0	ND<10
MMW-04	10/24/2008	45	0.36 J,B	ND<1.0	4.1	0.25 J	ND<50	1.30	0.82 J
MMW-04	9/22/2009	130	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<50	1.70	3.9 J
MMW-04	10/14/2010	57	<1.0	<1.0	<1.0	<1.0	<50	0.98 J	4.5 J
MMW-04	4/19/2011	68	<1.0	<1.0	<1.0	<1.0	<50	1.6	5.9 J
MMW-05	3/5/2001	61	ND	ND<5.0	ND<5.0	ND	62.00	ND<5.0	ND<50
MMW-05	6/12/2001	42	ND	ND<2.0	2.5	ND	ND<20	ND<2.0	ND<20
MMW-05	12/23/2003	190	ND	ND<1.0	2.5	ND	ND<10	1.6	ND<10
MMW-05	12/21/2004	370	ND	ND<10	ND<10	ND	ND<100	3.0 J	10 J
MMW-05	12/2/2005	220	ND	ND<1.0	ND<1.0	ND	ND<10	1.4	5.3 J
MMW-05	12/19/2006	240	ND	ND<1.0	1.8	ND	ND<50	1.4	7.1 J
MMW-05	12/21/2007	190	ND	ND<5.0	ND<5.0	ND	ND<250	ND<5.0	ND<50
MMW-05	10/24/2008	130	3.0 J,B	ND<5.0	ND<5.0	1.2 J	ND<250	1.8 J	6.6 J
MMW-05	9/22/2009	190	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<250	1.5	7.4 J
MMW-05	10/14/2010	150	<1.0	0.38 J	<1.0	<1.0	<50	1.7	5.9 J
MMW-05	4/19/2011	110	<1.0	<1.0	<1.0	<1.0	<50	2.2	6.2 J
MW6A	4/19/2011	70	<10	<10	<10	<10	<500	<10	<100
MW6B	4/19/2011	150	<1.0	0.37 J	<1.0	<1.0	<50	0.34 J	<10
MW6C	4/19/2011	18	<1.0	1.2	<1.0	<1.0	<50	3.2	<10
MW7A	4/19/2011	70	<1.0	<1.0	<1.0	<1.0	<50	2.2	3.7 J
MW7B	4/19/2011	38	<1.0	0.60 J	<1.0	<1.0	<50	1.3	0.82 J
MW7C	4/19/2011	5.6	<1.0	0.40 J	<1.0	<1.0	<50	0.84 J	<10
MW8A	4/19/2011	11	<1.0	19	<1.0	<1.0	<50	6.1	<10
MW8B	4/19/2011	33	<1.0	1.6	<1.0	<1.0	29 J	8.8	<10
MW8C	4/19/2011	15	<1.0	1.5	<1.0	<1.0	65	13	<10
TRIP BLANK	10/14/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<50	<1.0	<10
TRIP BLANK	4/19/2011	<1.0	<1.0	<1.0	<1.0	<1.0	<50	<1.0	<10
DUP	4/19/2011								

TABLE 2
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
FORMER EXXONMOBIL JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
CARDNO ERI 1155

EXPLANATION:

Constituents analyzed by EPA Method 8260B.

DUP = duplicate

ELEV = elevation

GW = groundwater

feet-MSL = feet above mean sea level

feet-TOC = feet below top of casing

NAPL = non-aqueous phase liquid (thickness measured in feet)

EPA = Environmental Protection Agency

DCE = c-1,2-Dichloroethene

PCE = Tetrachloroethylene or perchloroethylene

TCE = Trichloroethylene

J = estimated value between method detection limit and practical quantitation limit

ND = not detected at or above the stated laboratory reporting limit

< = not detected at or above the stated laboratory reporting limit

µg/l = micrograms per liter

TABLE 3
SUMMARY OF BTEX AND FUEL OXYGENATES GROUNDWATER MONITORING RESULTS
FORMER EXXONMOBIL JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
CARDNO ERI 1155

Date	Well Elev (feet-MSL)	GW Depth (feet-TOC)	GW Elev (feet-MSL)	NAPL (feet)	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	TBA (ug/l)	Ethanol (ug/l)	EDB (ug/l)	EDC (ug/l)
Field Point	MMW-04	Well Screen Interval (feet): 60-105														
4/19/2011	131.40	91.75	39.65	no	0.29 J	<0.50	0.24 J	<0.50	0.38 J	<1.0	<1.0	<1.0	<10	<250	<1.0	3.3
Field Point	MMW-05	Well Screen Interval (feet): 61-106														
4/19/2011	133.38	95.05	38.33	no	0.53	<0.50	0.54	0.85	<1.0	<1.0	<1.0	<1.0	6.2 J	<250	<1.0	4.3
Field Point	MW6A	Well Screen Interval (feet): 80-110														
4/19/2011	136.53	94.53	42.00	no	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	<100	<2500	<10	<5.0
Field Point	MW6B	Well Screen Interval (feet): 130-140														
4/19/2011	136.54	93.89	42.65	no	0.83	<0.50	1.1	1.7	<1.0	<1.0	<1.0	<1.0	17	<250	<1.0	5.4
Field Point	MW6C	Well Screen Interval (feet): 170-180														
4/19/2011	136.53	93.23	43.3	no	1.4	2.2	1.3	3.8	<1.0	<1.0	<1.0	<1.0	5.6 J	120 J	<1.0	0.76
Field Point	MW7A	Well Screen Interval (feet): 80-110														
4/19/2011	138.22	94.64	43.58	no	<0.50	3.7	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	13	<250	<1.0	<3.0
Field Point	MW7B	Well Screen Interval (feet): 130-140														
4/19/2011	138.14	94.12	44.02	no	2.1	25	0.74	3.3	<1.0	<1.0	<1.0	<1.0	16	<250	<1.0	<2.2
Field Point	MW7C	Well Screen Interval (feet): 165-175														
4/19/2011	138.22	94.26	43.96	no	2.1	35	0.65	2.9	<1.0	<1.0	<1.0	<1.0	4.5 J	<250	<1.0	0.34 J
Field Point	MW8A	Well Screen Interval (feet): 85-115														
4/19/2011	137.66	94.53	43.13	no	0.33 J	0.42 J	48	1.1	<1.0	<1.0	<1.0	<1.0	13	460	<1.0	<0.50
Field Point	MW8B	Well Screen Interval (feet): 130-140														
4/19/2011	137.70	94.38	43.32	no	0.66	0.90	6.5	1.7	<1.0	<1.0	<1.0	<1.0	10	630	<1.0	0.57
Field Point	MW8C	Well Screen Interval (feet): 150-160														
4/19/2011	137.73	94.36	43.37	no	0.33 J	1.4	3.9	1.3	<1.0	<1.0	<1.0	<1.0	29	900	<1.0	<0.50 J
Field Point	TRIP BLANK	Well Screen Interval (feet):														
4/19/2011				no	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<250	<1.0	<1.0

TABLE 3
SUMMARY OF BTEX AND FUEL OXYGENATES GROUNDWATER MONITORING RESULTS
FORMER EXXONMOBIL JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
CARDNO ERI 1155

TABLE 3
SUMMARY OF BTEX AND FUEL OXYGENATES GROUNDWATER MONITORING RESULTS
FORMER EXXONMOBIL JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
CARDNO ERI 1155

Explanation:

BTEX = Benzene, toluene, ethylbenzene, and total xylenes

DUP = duplicate sample

ELEV = elevation

EPA = Environmental Protection Agency

GW = groundwater

DIPE = di-isopropyl ether

EDB = 1,2-dibromoethane

EDC = 1,2-dichloroethane

ETBE = ethyl tertiary butyl ether

MTBE = methyl tertiary butyl ether

MTBE analyzed by EPA Method 8260B.

NAPL = non-aqueous phase liquid (thickness measured in feet)

TAME = tertiary amyl methyl ether

TBA = tertiary butyl alcohol

TPHg = total petroleum hydrocarbons as gasoline

J = estimated value between method detection limit and practical quantitation limit

< = not detected at or above stated laboratory reporting limit

feet-MSL = feet above mean sea level

feet-TOC = feet below top of casing

ug/l = micrograms per liter

Environmental Resolutions, Inc. (ERI) became known as Cardno ERI on October 18, 2010

TABLE 4
CUMULATIVE BTEX AND FUEL OXYGENATES GROUNDWATER MONITORING RESULTS
FORMER EXXONMOBIL JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
CARDNO ERI 1155

Date	Well Elev (feet-MSL)	GW Depth (feet-TOC)	GW Elev (feet-MSL)	NAPL (feet)	Benzene (ug/l)	Toluene (ug/l)	Ethyl- benzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	TBA (ug/l)	Ethanol (ug/l)	EDB (ug/l)	EDC (ug/l)
Field Point	MMW-03	Well Screen Interval (feet):														
6/6/2000 (a)	134.26	70.69	63.57	no	<0.50	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<2.0	<50	<100	--	
8/31/2000 (a)	134.26	70.67	63.59	no	<0.50	<1.0	<1.0	<2.0	1.9	<2.0	<2.0	<2.0	<50	<100	<0.50	
11/28/2000(a)	134.26	71.49	62.77	no	<0.50	<1.0	<1.0	<2.0	7	<2.0	<2.0	<2.0	<50	<100	0.97	
3/5/2001 (a)	134.26	71.30	62.96	no	<0.50	<1.0	<1.0	<2.0	7.6	<2.0	<2.0	<2.0	<50	--		
6/12/2001 (a)	134.26	70.07	64.19	no	3.7	5.7	1.4	5.3	13	<2.0	<2.0	<2.0	<50	--		
12/31/2001(a)(b)				no	WELL ABANDONED											
Field Point	MMW-04	Well Screen Interval (feet): 60-105														
6/6/2000 (a)	131.40	70.46	60.94	no	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<50	ND<100		
8/31/2000 (a)	131.40	70.58	60.82	no	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<50	ND<100		
11/28/2000(a)	131.40	71.28	60.12	no	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<50	ND<100		
3/5/2001 (a)	131.40	71.02	60.38	no	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<50	--		
6/12/2001 (a)	131.40	69.81	61.59	no	13	12	2.1	7.9	1.2	ND<2.0	ND<2.0	ND<2.0	ND<50	--		
12/23/2003(a)	131.40	78.38	53.02	no	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100		
12/21/2004(a)	131.40	84.73	46.67	no	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100		
12/2/2005 (a)	131.40	79.01	52.39	no	ND<0.50	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100		
12/19/2006(a)	131.40	76.66	54.74	no	ND<0.50	0.54 J	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100		
12/21/2007(a)	131.40	79.73	51.67	no	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100		
10/24/2008(a)	131.40	84.13	47.27	no	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100		
9/22/2009 (a)	131.40	91.00	40.40	no	ND<0.50	ND<1.0	ND<1.0	ND<1.0	0.35 J	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100		
10/14/2010	131.40	94.25	37.15	no	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<250	<1.0	
4/19/2011	131.40	91.75	39.65	no	0.29 J	<0.50	0.24 J	<0.50	0.38 J	<1.0	<1.0	<1.0	<10	<250	<1.0	
Field Point	MMW-05	Well Screen Interval (feet): 61-106														
6/6/2000 (a)	133.38	71.79	61.59	no	ND<2.5	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<10	ND<10	ND<10	ND<250	ND<100		
8/31/2000 (a)	133.38	71.86	61.52	no	ND<2.5	ND<5.0	ND<5	ND<10	ND<5	ND<10	ND<10	ND<10	ND<250	ND<100		

TABLE 4
CUMULATIVE BTEX AND FUEL OXYGENATES GROUNDWATER MONITORING RESULTS
FORMER EXXONMOBIL JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
CARDNO ERI 1155

Date	Well Elev (feet-MSL)	GW Depth (feet-TOC)	GW Elev (feet-MSL)	NAPL (feet)	Benzene (ug/l)	Toluene (ug/l)	Ethyl- benzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	TBA (ug/l)	Ethanol (ug/l)	EDB (ug/l)	EDC (ug/l)
11/28/2000(a)	133.38	72.58	60.80	no	ND<2.5	ND<5.0	ND<5	ND<10	ND<5	ND<10	ND<10	ND<10	ND<250	ND<100		
3/5/2001 (a)	133.38	72.47	60.91	no	ND<2.5	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<10	ND<10	ND<10	ND<250	--		
6/12/2001 (a)	133.38	71.29	62.09	no	1.3	2.3	ND<2.0	ND<4.0	ND<2.0	ND<4.0	ND<4.0	ND<4.0	ND<100	--		
12/23/2003(a)	133.38	79.72	53.66	no	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100		
12/21/2004(a)	133.38	86.02	47.36	no	ND<5.0	ND<10	ND<10	ND<10	ND<10	ND<20	ND<20	ND<20	ND<100	ND<1,000		
12/2/2005 (a)	133.38	80.69	52.69	no	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100		
12/19/2006(a)	133.38	78.29	55.09	no	ND<0.50	0.64 J	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100		
12/21/2007(a)	133.38	80.94	52.44	no	ND<2.5#	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	ND<10	ND<50	ND<500		
10/24/2008(a)	133.38	85.19	48.19	no	ND<2.5#	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<10	ND<10	ND<50	ND<500		
9/22/2009 (a)	133.38	92.10	41.28	no	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<100		
10/14/2010	133.38	96.85	36.53	no	9.3	0.96	1.1	2.4	0.89 J	<1.0	<1.0	<1.0	<10	<250	<1.0	5.5
4/19/2011	133.38	95.05	38.33	no	0.53	<0.50	0.54	0.85	<1.0	<1.0	<1.0	<1.0	6.2 J	<250	<1.0	4.3
Field Point	MW6A	Well Screen Interval (feet): 80-110														
4/19/2011	136.53	94.53	42.00	no	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	<100	<2500	<10	<5.0
Field Point	MW6B	Well Screen Interval (feet): 130-140														
4/19/2011	136.54	93.89	42.65	no	0.83	<0.50	1.1	1.7	<1.0	<1.0	<1.0	<1.0	17	<250	<1.0	5.4
Field Point	MW6C	Well Screen Interval (feet): 170-180														
4/19/2011	136.53	93.23	43.3	no	1.4	2.2	1.3	3.8	<1.0	<1.0	<1.0	<1.0	5.6 J	120 J	<1.0	0.76
Field Point	MW7A	Well Screen Interval (feet): 80-110														
4/19/2011	138.22	94.64	43.58	no	<0.50	3.7	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	13	<250	<1.0	<3.0
Field Point	MW7B	Well Screen Interval (feet): 130-140														
4/19/2011	138.14	94.12	44.02	no	2.1	25	0.74	3.3	<1.0	<1.0	<1.0	<1.0	16	<250	<1.0	<2.2
Field Point	MW7C	Well Screen Interval (feet): 165-175														
4/19/2011	138.22	94.26	43.96	no	2.1	35	0.65	2.9	<1.0	<1.0	<1.0	<1.0	4.5 J	<250	<1.0	0.34 J
Field Point	MW8A	Well Screen Interval (feet): 85-115														

TABLE 4
CUMULATIVE BTEX AND FUEL OXYGENATES GROUNDWATER MONITORING RESULTS
FORMER EXXONMOBIL JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
CARDNO ERI 1155

Date	Well Elev (feet-MSL)	GW Depth (feet-TOC)	GW Elev (feet-MSL)	NAPL (feet)	Benzene (ug/l)	Toluene (ug/l)	Ethyl- benzene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	TBA (ug/l)	Ethanol (ug/l)	EDB (ug/l)	EDC (ug/l)	
4/19/2011	137.66	94.53	43.13	no	0.33 J	0.42 J	48	1.1	<1.0	<1.0	<1.0	<1.0	13	460	<1.0	<0.50	
Field Point	MW8B	Well Screen Interval (feet): 130-140															
4/19/2011	137.70	94.38	43.32	no	0.66	0.90	6.5	1.7	<1.0	<1.0	<1.0	<1.0	10	630	<1.0	0.57	
Field Point	MW8C	Well Screen Interval (feet): 150-160															
4/19/2011	137.73	94.36	43.37	no	0.33 J	1.4	3.9	1.3	<1.0	<1.0	<1.0	<1.0	29	900	<1.0	<0.50 J	
Field Point	TRIP BLANK	Well Screen Interval (feet):															
10/14/2010				no	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<250	<1.0	<0.50	
4/19/2011				no	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<250	<1.0	<1.0	
Field Point	DUP	Well Screen Interval (feet):															
4/19/2011				no	DUPLICATE SAMPLE INADVERTENTLY NOT TAKEN												

TABLE 4
CUMULATIVE BTEX AND FUEL OXYGENATES GROUNDWATER MONITORING RESULTS
FORMER EXXONMOBIL JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA
CARDNO ERI 1155

Explanation:

BTEX = Benzene, toluene, ethylbenzene, and total xylenes

DUP = duplicate sample

ELEV = elevation

EPA = Environmental Protection Agency

GW = groundwater

feet-MSL = feet above mean sea level

feet-TOC = feet below top of casing

DIPE = di-isopropyl ether

EDB = 1,2-dibromoethane

EDC = 1,2-dichloroethane

ETBE = ethyl tertiary butyl ether

J = estimated value between method detection limit and practical quantitation limit

TAME = tertiary amyl methyl ether

TBA = tertiary butyl alcohol

TPHg = total petroleum hydrocarbons as gasoline

MTBE = methyl tertiary butyl ether

MTBE analyzed by EPA Method 8260B.

NAPL = non-aqueous phase liquid (thickness measured in feet)

ND = not detected at or above stated laboratory reporting limit

< = not detected at or above stated laboratory reporting limit

ug/l = micrograms per liter

(a) = values supplied by previous consultant

(b) = date of well abandonment not known

Environmental Resolutions, Inc. (ERI) became known as Cardno ERI on October 18, 2010



The difference is service

04/26/2011

Alex Fuentes
Cardno ERI
4572 Telephone Road, Suite 916
Ventura, CA 93003-5663

Subject: Calscience Work Order No.: **11-04-1303**

Client Reference: **ExxonMobil Former Jalk Fee / 081155**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 04/20/11 and analyzed in accordance with the attached chain of custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is proved herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Cecile L deGuia".

Cecile deGuia
Project Manager

April 26, 2011	10:33	Work Order:	11-04-1303
Client:	Cardno ERI 4572 Telephone Road, Suite 916 Ventura, CA 93003-5663	Project Name:	ExxonMobil Former Jalk Fee / 0
Attn:	Alex Fuentes	PO Number:	Jalk-Calsci-2011
		Date Received:	04/20/11 18:00

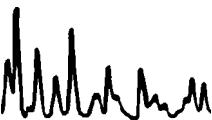
SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
W-97-MMW-04	11-04-1303-1	04/19/11 15:40
W-97-MMW-05	11-04-1303-2	04/19/11 15:10
W-98-MW6A	11-04-1303-3	04/19/11 13:50
W-103-MW6B	11-04-1303-4	04/19/11 14:15
W-MW6C	11-04-1303-5	04/19/11 14:35
W-98-MW7A	11-04-1303-6	04/19/11 13:00
W-MW7B	11-04-1303-7	04/19/11 13:15
W-110-MW7C	11-04-1303-8	04/19/11 13:45
W-98-MW8A	11-04-1303-9	04/19/11 11:15
W-103-MW8B	11-04-1303-10	04/19/11 11:45
W-108-MW8C	11-04-1303-11	04/19/11 12:15
QCTB	11-04-1303-12	04/19/11 07:00

Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663
 Attn: Alex Fuentes

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 1 (W-97-MMW-04, Aqueous) Sampled: 04/19/11 15:40									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-1-A)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
Benzene	0.29	J	ug/L	0.28	0.50	1	04/21/11 13:05	EPA 8260B	110421L01
Toluene	ND	U	ug/L	0.33	0.50	1	04/21/11 13:05	EPA 8260B	110421L01
Ethylbenzene	0.24	J	ug/L	0.22	0.50	1	04/21/11 13:05	EPA 8260B	110421L01
Xylenes (total)	ND	U	ug/L	0.45	0.50	1	04/21/11 13:05	EPA 8260B	110421L01
Methyl-t-Butyl Ether (MTBE)	0.38	J	ug/L	0.30	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Tert-Butyl Alcohol (TBA)	ND	U	ug/L	3.5	10	1	04/21/11 13:05	EPA 8260B	110421L01
Diisopropyl Ether (DIPE)	ND	U	ug/L	0.31	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Ethyl-t-Butyl Ether (ETBE)	ND	U	ug/L	0.27	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Tert-Amyl-Methyl Ether (TAME)	ND	U	ug/L	0.28	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Ethanol	ND	U	ug/L	50	250	1	04/21/11 13:05	EPA 8260B	110421L01
1,1,1,2-Tetrachloroethane	ND	U	ug/L	0.35	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,1,1-Trichloroethane	0.93	J	ug/L	0.45	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,1,2,2-Tetrachloroethane	ND	U	ug/L	0.44	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,1,2-Trichloroethane	ND	U	ug/L	0.54	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,1,2-Trichloro-1,2,2-Trifluoroethane	13		ug/L	0.64	10	1	04/21/11 13:05	EPA 8260B	110421L01
1,1-Dichloroethane	28		ug/L	0.37	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,1-Dichloroethene	68		ug/L	0.40	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,1-Dichloropropene	ND	U	ug/L	0.26	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,2,3-Trichlorobenzene	ND	U	ug/L	0.31	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,2,3-Trichloropropane	ND	U	ug/L	1.3	5.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,2,4-Trichlorobenzene	ND	U	ug/L	0.49	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,2,4-Trimethylbenzene	ND	U	ug/L	0.24	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,3,5-Trimethylbenzene	ND	U	ug/L	0.23	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
c-1,2-Dichloroethene	74		ug/L	0.49	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,2-Dibromo-3-Chloropropane	ND	U	ug/L	3.1	5.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,2-Dibromoethane	ND	U	ug/L	0.47	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,2-Dichlorobenzene	ND	U	ug/L	0.27	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,2-Dichloroethane	3.3		ug/L	0.31	0.50	1	04/21/11 13:05	EPA 8260B	110421L01
1,2-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
t-1,2-Dichloroethene	3.9		ug/L	0.40	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
c-1,3-Dichloropropene	ND	U	ug/L	0.28	0.50	1	04/21/11 13:05	EPA 8260B	110421L01
1,3-Dichlorobenzene	ND	U	ug/L	0.28	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
1,3-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
t-1,3-Dichloropropene	ND	U	ug/L	0.36	0.50	1	04/21/11 13:05	EPA 8260B	110421L01
1,4-Dichlorobenzene	ND	U	ug/L	0.21	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
2,2-Dichloropropane	ND	U	ug/L	0.46	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
2-Chlorotoluene	ND	U	ug/L	0.55	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
4-Chlorotoluene	ND	U	ug/L	0.21	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
4-Methyl-2-Pentanone	ND	U	ug/L	4.4	10	1	04/21/11 13:05	EPA 8260B	110421L01
Acetone	ND	U	ug/L	20	50	1	04/21/11 13:05	EPA 8260B	110421L01
Bromobenzene	ND	U	ug/L	0.33	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Bromochloromethane	ND	U	ug/L	0.69	1.0	1	04/21/11 13:05	EPA 8260B	110421L01



Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

Attn: Alex Fuentes

ANALYTICAL REPORT

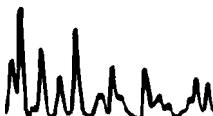
Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 1 (W-97-MMW-04, Aqueous) Sampled: 04/19/11 15:40									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-1-A)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
Bromoform	ND	U	ug/L	0.55	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Bromomethane	ND	U	ug/L	4.3	10	1	04/21/11 13:05	EPA 8260B	110421L01
Carbon Disulfide	ND	U	ug/L	1.9	10	1	04/21/11 13:05	EPA 8260B	110421L01
Carbon Tetrachloride	ND	U	ug/L	0.43	0.50	1	04/21/11 13:05	EPA 8260B	110421L01
Chlorobenzene	ND	U	ug/L	0.22	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Dibromochloromethane	ND	U	ug/L	0.48	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Chloroethane	ND	U	ug/L	1.3	5.0	1	04/21/11 13:05	EPA 8260B	110421L01
Chloroform	1.6		ug/L	0.33	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Chloromethane	ND	U	ug/L	0.49	10	1	04/21/11 13:05	EPA 8260B	110421L01
Dibromomethane	ND	U	ug/L	0.59	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Bromodichloromethane	ND	U	ug/L	0.33	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Dichlorodifluoromethane	ND	U	ug/L	0.49	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Hexachloro-1,3-Butadiene	ND	U	ug/L	3.1	20	1	04/21/11 13:05	EPA 8260B	110421L01
Isopropylbenzene	ND	U	ug/L	0.23	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
2-Butanone	ND	U	ug/L	6.9	10	1	04/21/11 13:05	EPA 8260B	110421L01
Methylene Chloride	ND	U	ug/L	2.6	10	1	04/21/11 13:05	EPA 8260B	110421L01
2-Hexanone	ND	U	ug/L	6.9	10	1	04/21/11 13:05	EPA 8260B	110421L01
Naphthalene	ND	U	ug/L	2.5	10	1	04/21/11 13:05	EPA 8260B	110421L01
n-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
n-Propylbenzene	ND	U	ug/L	0.79	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
p-Isopropyltoluene	ND	U	ug/L	0.26	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
sec-Butylbenzene	ND	U	ug/L	0.20	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Styrene	ND	U	ug/L	0.30	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
tert-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Tetrachloroethene	130		ug/L	0.51	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Trichloroethene	78		ug/L	0.30	1.0	1	04/21/11 13:05	EPA 8260B	110421L01
Trichlorofluoromethane	5.9	J	ug/L	0.31	10	1	04/21/11 13:05	EPA 8260B	110421L01
Vinyl Chloride	ND	U	ug/L	0.33	0.50	1	04/21/11 13:05	EPA 8260B	110421L01
Surr: Toluene-d8 (80-120%)	99%						04/21/11 13:05	EPA 8260B	110421L01
Surr: Dibromofluoromethane (80-126%)	96%						04/21/11 13:05	EPA 8260B	110421L01
Surr: 1,4-Bromofluorobenzene (80-120%)	101%						04/21/11 13:05	EPA 8260B	110421L01
Surr: 1,2-Dichloroethane-d4 (80-134%)	95%						04/21/11 13:05	EPA 8260B	110421L01

Sample ID: 2 (W-97-MMW-05, Aqueous) Sampled: 04/19/11 15:10

EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-2-A)

-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Benzene	0.53		ug/L	0.28	0.50	1	04/21/11 15:33	EPA 8260B	110421L01
Toluene	ND	U	ug/L	0.33	0.50	1	04/21/11 15:33	EPA 8260B	110421L01
Ethylbenzene	0.54		ug/L	0.22	0.50	1	04/21/11 15:33	EPA 8260B	110421L01
Xylenes (total)	0.85		ug/L	0.45	0.50	1	04/21/11 15:33	EPA 8260B	110421L01
Methyl-t-Butyl Ether (MTBE)	ND	U	ug/L	0.30	1.0	1	04/21/11 15:33	EPA 8260B	110421L01



Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 2 (W-97-MMW-05, Aqueous) Sampled: 04/19/11 15:10									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-2-A)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
Tert-Butyl Alcohol (TBA)	6.2	J	ug/L	3.5	10	1	04/21/11 15:33	EPA 8260B	110421L01
Diisopropyl Ether (DIPE)	ND	U	ug/L	0.31	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
Ethyl-t-Butyl Ether (ETBE)	ND	U	ug/L	0.27	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
Tert-Amyl-Methyl Ether (TAME)	ND	U	ug/L	0.28	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
Ethanol	ND	U	ug/L	50	250	1	04/21/11 15:33	EPA 8260B	110421L01
1,1,1,2-Tetrachloroethane	ND	U	ug/L	0.35	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,1,1-Trichloroethane	ND	U	ug/L	0.45	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,1,2,2-Tetrachloroethane	ND	U	ug/L	0.44	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,1,2-Trichloroethane	ND	U	ug/L	0.54	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,1,2-Trichloro-1,2,2-Trifluoroethane	18		ug/L	0.64	10	1	04/21/11 15:33	EPA 8260B	110421L01
1,1-Dichloroethane	24		ug/L	0.37	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,1-Dichloroethene	110		ug/L	0.40	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,1-Dichloropropene	ND	U	ug/L	0.26	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,2,3-Trichlorobenzene	ND	U	ug/L	0.31	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,2,3-Trichloropropane	ND	U	ug/L	1.3	5.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,2,4-Trichlorobenzene	ND	U	ug/L	0.49	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,2,4-Trimethylbenzene	ND	U	ug/L	0.24	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,3,5-Trimethylbenzene	ND	U	ug/L	0.23	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
c-1,2-Dichloroethene	76		ug/L	0.49	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,2-Dibromo-3-Chloropropane	ND	U	ug/L	3.1	5.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,2-Dibromoethane	ND	U	ug/L	0.47	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,2-Dichlorobenzene	ND	U	ug/L	0.27	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,2-Dichloroethane	4.3		ug/L	0.31	0.50	1	04/21/11 15:33	EPA 8260B	110421L01
1,2-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
t-1,2-Dichloroethene	1.6		ug/L	0.40	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
c-1,3-Dichloropropene	ND	U	ug/L	0.28	0.50	1	04/21/11 15:33	EPA 8260B	110421L01
1,3-Dichlorobenzene	ND	U	ug/L	0.28	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
1,3-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
t-1,3-Dichloropropene	ND	U	ug/L	0.36	0.50	1	04/21/11 15:33	EPA 8260B	110421L01
1,4-Dichlorobenzene	ND	U	ug/L	0.21	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
2,2-Dichloropropane	ND	U	ug/L	0.46	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
2-Chlorotoluene	ND	U	ug/L	0.55	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
4-Chlorotoluene	ND	U	ug/L	0.21	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
4-Methyl-2-Pentanone	ND	U	ug/L	4.4	10	1	04/21/11 15:33	EPA 8260B	110421L01
Acetone	ND	U	ug/L	20	50	1	04/21/11 15:33	EPA 8260B	110421L01
Bromobenzene	ND	U	ug/L	0.33	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
Bromochloromethane	ND	U	ug/L	0.69	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
Bromoform	ND	U	ug/L	0.55	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
Bromomethane	ND	U	ug/L	4.3	10	1	04/21/11 15:33	EPA 8260B	110421L01
Carbon Disulfide	ND	U	ug/L	1.9	10	1	04/21/11 15:33	EPA 8260B	110421L01
Carbon Tetrachloride	ND	U	ug/L	0.43	0.50	1	04/21/11 15:33	EPA 8260B	110421L01
Chlorobenzene	ND	U	ug/L	0.22	1.0	1	04/21/11 15:33	EPA 8260B	110421L01

Client: Cardno ERI Work Order: 11-04-1303
 4572 Telephone Road, Suite 916 Project Name: ExxonMobil Former Jalk Fee / 081155
 Ventura, CA 93003-5663 Received: 04/20/11 18:00
 Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 2 (W-97-MMW-05, Aqueous) Sampled: 04/19/11 15:10									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-2-A)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
Dibromochloromethane	ND	U	ug/L	0.48	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
Chloroethane	ND	U	ug/L	1.3	5.0	1	04/21/11 15:33	EPA 8260B	110421L01
Chloroform	2.2		ug/L	0.33	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
Chloromethane	ND	U	ug/L	0.49	10	1	04/21/11 15:33	EPA 8260B	110421L01
Dibromomethane	ND	U	ug/L	0.59	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
Bromodichloromethane	ND	U	ug/L	0.33	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
Dichlorodifluoromethane	ND	U	ug/L	0.49	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
Hexachloro-1,3-Butadiene	ND	U	ug/L	3.1	20	1	04/21/11 15:33	EPA 8260B	110421L01
Isopropylbenzene	ND	U	ug/L	0.23	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
2-Butanone	ND	U	ug/L	6.9	10	1	04/21/11 15:33	EPA 8260B	110421L01
Methylene Chloride	ND	U	ug/L	2.6	10	1	04/21/11 15:33	EPA 8260B	110421L01
2-Hexanone	ND	U	ug/L	6.9	10	1	04/21/11 15:33	EPA 8260B	110421L01
Naphthalene	ND	U	ug/L	2.5	10	1	04/21/11 15:33	EPA 8260B	110421L01
n-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
n-Propylbenzene	ND	U	ug/L	0.79	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
p-Isopropyltoluene	ND	U	ug/L	0.26	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
sec-Butylbenzene	ND	U	ug/L	0.20	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
Styrene	ND	U	ug/L	0.30	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
tert-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
Tetrachloroethene	500		ug/L	5.1	10	10	04/21/11 15:33	EPA 8260B	110421L01
Trichloroethene	130		ug/L	0.30	1.0	1	04/21/11 15:33	EPA 8260B	110421L01
Trichlorofluoromethane	6.2	J	ug/L	0.31	10	1	04/21/11 15:33	EPA 8260B	110421L01
Vinyl Chloride	1.1		ug/L	0.33	0.50	1	04/21/11 15:33	EPA 8260B	110421L01
Surr: Toluene-d8 (80-120%)	98%						04/21/11 15:33	EPA 8260B	110421L01
Surr: Dibromofluoromethane (80-126%)	96%						04/21/11 15:33	EPA 8260B	110421L01
Surr: 1,4-Bromofluorobenzene (80-120%)	100%						04/21/11 15:33	EPA 8260B	110421L01
Surr: 1,2-Dichloroethane-d4 (80-134%)	95%						04/21/11 15:33	EPA 8260B	110421L01

Sample ID: 3 (W-98-MW6A, Aqueous) Sampled: 04/19/11 13:50

EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-3-A)

-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Benzene	ND	U	ug/L	2.8	5.0	10	04/21/11 16:03	EPA 8260B	110421L01
Toluene	ND	U	ug/L	3.3	5.0	10	04/21/11 16:03	EPA 8260B	110421L01
Ethylbenzene	ND	U	ug/L	2.2	5.0	10	04/21/11 16:03	EPA 8260B	110421L01
Xylenes (total)	ND	U	ug/L	4.5	5.0	10	04/21/11 16:03	EPA 8260B	110421L01
Methyl-t-Butyl Ether (MTBE)	ND	U	ug/L	3.0	10	10	04/21/11 16:03	EPA 8260B	110421L01
Tert-Butyl Alcohol (TBA)	ND	U	ug/L	35	100	10	04/21/11 16:03	EPA 8260B	110421L01
Diisopropyl Ether (DIPE)	ND	U	ug/L	3.1	10	10	04/21/11 16:03	EPA 8260B	110421L01
Ethyl-t-Butyl Ether (ETBE)	ND	U	ug/L	2.7	10	10	04/21/11 16:03	EPA 8260B	110421L01
Tert-Amyl-Methyl Ether (TAME)	ND	U	ug/L	2.8	10	10	04/21/11 16:03	EPA 8260B	110421L01
Ethanol	ND	U	ug/L	500	2500	10	04/21/11 16:03	EPA 8260B	110421L01



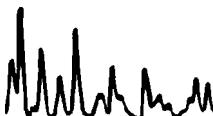
Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 3 (W-98-MW6A, Aqueous) Sampled: 04/19/11 13:50									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-3-A)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
1,1,1,2-Tetrachloroethane	ND	U	ug/L	3.5	10	10	04/21/11 16:03	EPA 8260B	110421L01
1,1,1-Trichloroethane	ND	U	ug/L	4.5	10	10	04/21/11 16:03	EPA 8260B	110421L01
1,1,2,2-Tetrachloroethane	ND	U	ug/L	4.4	10	10	04/21/11 16:03	EPA 8260B	110421L01
1,1,2-Trichloroethane	ND	U	ug/L	5.4	10	10	04/21/11 16:03	EPA 8260B	110421L01
1,1,2-Trichloro-1,2,2-Trifluoroethane	7.1	J	ug/L	6.4	100	10	04/21/11 16:03	EPA 8260B	110421L01
1,1-Dichloroethane	14		ug/L	3.7	10	10	04/21/11 16:03	EPA 8260B	110421L01
1,1-Dichloroethene	70		ug/L	4.0	10	10	04/21/11 16:03	EPA 8260B	110421L01
1,1-Dichloropropene	ND	U	ug/L	2.6	10	10	04/21/11 16:03	EPA 8260B	110421L01
1,2,3-Trichlorobenzene	ND	U	ug/L	3.1	10	10	04/21/11 16:03	EPA 8260B	110421L01
1,2,3-Trichloropropane	ND	U	ug/L	13	50	10	04/21/11 16:03	EPA 8260B	110421L01
1,2,4-Trichlorobenzene	ND	U	ug/L	4.9	10	10	04/21/11 16:03	EPA 8260B	110421L01
1,2,4-Trimethylbenzene	ND	U	ug/L	2.4	10	10	04/21/11 16:03	EPA 8260B	110421L01
1,3,5-Trimethylbenzene	ND	U	ug/L	2.3	10	10	04/21/11 16:03	EPA 8260B	110421L01
c-1,2-Dichloroethene	900		ug/L	4.9	10	10	04/21/11 16:03	EPA 8260B	110421L01
1,2-Dibromo-3-Chloropropane	ND	U	ug/L	31	50	10	04/21/11 16:03	EPA 8260B	110421L01
1,2-Dibromoethane	ND	U	ug/L	4.7	10	10	04/21/11 16:03	EPA 8260B	110421L01
1,2-Dichlorobenzene	ND	U	ug/L	2.7	10	10	04/21/11 16:03	EPA 8260B	110421L01
1,2-Dichloroethane	ND	U	ug/L	3.1	5.0	10	04/21/11 16:03	EPA 8260B	110421L01
1,2-Dichloropropane	ND	U	ug/L	3.8	10	10	04/21/11 16:03	EPA 8260B	110421L01
t-1,2-Dichloroethene	7.8	J	ug/L	4.0	10	10	04/21/11 16:03	EPA 8260B	110421L01
c-1,3-Dichloropropene	ND	U	ug/L	2.8	5.0	10	04/21/11 16:03	EPA 8260B	110421L01
1,3-Dichlorobenzene	ND	U	ug/L	2.8	10	10	04/21/11 16:03	EPA 8260B	110421L01
1,3-Dichloropropane	ND	U	ug/L	3.8	10	10	04/21/11 16:03	EPA 8260B	110421L01
t-1,3-Dichloropropene	ND	U	ug/L	3.6	5.0	10	04/21/11 16:03	EPA 8260B	110421L01
1,4-Dichlorobenzene	ND	U	ug/L	2.1	10	10	04/21/11 16:03	EPA 8260B	110421L01
2,2-Dichloropropane	ND	U	ug/L	4.6	10	10	04/21/11 16:03	EPA 8260B	110421L01
2-Chlorotoluene	ND	U	ug/L	5.5	10	10	04/21/11 16:03	EPA 8260B	110421L01
4-Chlorotoluene	ND	U	ug/L	2.1	10	10	04/21/11 16:03	EPA 8260B	110421L01
4-Methyl-2-Pentanone	ND	U	ug/L	44	100	10	04/21/11 16:03	EPA 8260B	110421L01
Acetone	ND	U	ug/L	200	500	10	04/21/11 16:03	EPA 8260B	110421L01
Bromobenzene	ND	U	ug/L	3.3	10	10	04/21/11 16:03	EPA 8260B	110421L01
Bromochloromethane	ND	U	ug/L	6.9	10	10	04/21/11 16:03	EPA 8260B	110421L01
Bromoform	ND	U	ug/L	5.5	10	10	04/21/11 16:03	EPA 8260B	110421L01
Bromomethane	ND	U	ug/L	43	100	10	04/21/11 16:03	EPA 8260B	110421L01
Carbon Disulfide	ND	U	ug/L	19	100	10	04/21/11 16:03	EPA 8260B	110421L01
Carbon Tetrachloride	ND	U	ug/L	4.3	5.0	10	04/21/11 16:03	EPA 8260B	110421L01
Chlorobenzene	ND	U	ug/L	2.2	10	10	04/21/11 16:03	EPA 8260B	110421L01
Dibromochloromethane	ND	U	ug/L	4.8	10	10	04/21/11 16:03	EPA 8260B	110421L01
Chloroethane	ND	U	ug/L	13	50	10	04/21/11 16:03	EPA 8260B	110421L01
Chloroform	ND	U	ug/L	3.3	10	10	04/21/11 16:03	EPA 8260B	110421L01
Chloromethane	ND	U	ug/L	4.9	100	10	04/21/11 16:03	EPA 8260B	110421L01
Dibromomethane	ND	U	ug/L	5.9	10	10	04/21/11 16:03	EPA 8260B	110421L01



Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 3 (W-98-MW6A, Aqueous) Sampled: 04/19/11 13:50									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-3-A)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
Bromodichloromethane	ND	U	ug/L	3.3	10	10	04/21/11 16:03	EPA 8260B	110421L01
Dichlorodifluoromethane	ND	U	ug/L	4.9	10	10	04/21/11 16:03	EPA 8260B	110421L01
Hexachloro-1,3-Butadiene	ND	U	ug/L	31	200	10	04/21/11 16:03	EPA 8260B	110421L01
Isopropylbenzene	ND	U	ug/L	2.3	10	10	04/21/11 16:03	EPA 8260B	110421L01
2-Butanone	ND	U	ug/L	69	100	10	04/21/11 16:03	EPA 8260B	110421L01
Methylene Chloride	ND	U	ug/L	26	100	10	04/21/11 16:03	EPA 8260B	110421L01
2-Hexanone	ND	U	ug/L	69	100	10	04/21/11 16:03	EPA 8260B	110421L01
Naphthalene	ND	U	ug/L	25	100	10	04/21/11 16:03	EPA 8260B	110421L01
n-Butylbenzene	ND	U	ug/L	2.8	10	10	04/21/11 16:03	EPA 8260B	110421L01
n-Propylbenzene	ND	U	ug/L	7.9	10	10	04/21/11 16:03	EPA 8260B	110421L01
p-Isopropyltoluene	ND	U	ug/L	2.6	10	10	04/21/11 16:03	EPA 8260B	110421L01
sec-Butylbenzene	ND	U	ug/L	2.0	10	10	04/21/11 16:03	EPA 8260B	110421L01
Styrene	ND	U	ug/L	3.0	10	10	04/21/11 16:03	EPA 8260B	110421L01
tert-Butylbenzene	ND	U	ug/L	2.8	10	10	04/21/11 16:03	EPA 8260B	110421L01
Tetrachloroethene	830		ug/L	5.1	10	10	04/21/11 16:03	EPA 8260B	110421L01
Trichloroethene	290		ug/L	3.0	10	10	04/21/11 16:03	EPA 8260B	110421L01
Trichlorofluoromethane	ND	U	ug/L	3.1	100	10	04/21/11 16:03	EPA 8260B	110421L01
Vinyl Chloride	7.2		ug/L	3.3	5.0	10	04/21/11 16:03	EPA 8260B	110421L01
Surr: Toluene-d8 (80-120%)	99%						04/21/11 16:03	EPA 8260B	110421L01
Surr: Dibromofluoromethane (80-126%)	96%						04/21/11 16:03	EPA 8260B	110421L01
Surr: 1,4-Bromofluorobenzene (80-120%)	100%						04/21/11 16:03	EPA 8260B	110421L01
Surr: 1,2-Dichloroethane-d4 (80-134%)	95%						04/21/11 16:03	EPA 8260B	110421L01

Sample ID: 4 (W-103-MW6B, Aqueous) Sampled: 04/19/11 14:15

EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-4-B)

Benzene	0.83		ug/L	0.28	0.50	1	04/22/11 08:02	EPA 8260B	110421L04
Toluene	ND	U	ug/L	0.33	0.50	1	04/22/11 08:02	EPA 8260B	110421L04
Ethylbenzene	1.1		ug/L	0.22	0.50	1	04/22/11 08:02	EPA 8260B	110421L04
Xylenes (total)	1.7		ug/L	0.45	0.50	1	04/22/11 08:02	EPA 8260B	110421L04
Methyl-t-Butyl Ether (MTBE)	ND	U	ug/L	0.30	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Tert-Butyl Alcohol (TBA)	17		ug/L	3.5	10	1	04/22/11 08:02	EPA 8260B	110421L04
Diisopropyl Ether (DIPE)	ND	U	ug/L	0.31	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Ethyl-t-Butyl Ether (ETBE)	ND	U	ug/L	0.27	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Tert-Amyl-Methyl Ether (TAME)	ND	U	ug/L	0.28	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Ethanol	ND	U	ug/L	50	250	1	04/22/11 08:02	EPA 8260B	110421L04
1,1,1,2-Tetrachloroethane	ND	U	ug/L	0.35	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,1,1-Trichloroethane	ND	U	ug/L	0.45	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,1,2,2-Tetrachloroethane	ND	U	ug/L	0.44	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,1,2-Trichloroethane	ND	U	ug/L	0.54	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,1,2-Trichloro-1,2,2-Trifluoroethane	2.3	J	ug/L	0.64	10	1	04/22/11 08:02	EPA 8260B	110421L04

Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 4 (W-103-MW6B, Aqueous) Sampled: 04/19/11 14:15									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-4-B)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
1,1-Dichloroethane	27		ug/L	0.37	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,1-Dichloroethene	150		ug/L	0.40	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,1-Dichloropropene	ND	U	ug/L	0.26	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,2,3-Trichlorobenzene	ND	U	ug/L	0.31	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,2,3-Trichloropropane	ND	U	ug/L	1.3	5.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,2,4-Trichlorobenzene	ND	U	ug/L	0.49	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,2,4-Trimethylbenzene	0.37	J	ug/L	0.24	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,3,5-Trimethylbenzene	0.27	J	ug/L	0.23	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
c-1,2-Dichloroethene	100		ug/L	0.49	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,2-Dibromo-3-Chloropropane	ND	U	ug/L	3.1	5.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,2-Dibromoethane	ND	U	ug/L	0.47	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,2-Dichlorobenzene	ND	U	ug/L	0.27	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,2-Dichloroethane	5.4		ug/L	0.31	0.50	1	04/22/11 08:02	EPA 8260B	110421L04
1,2-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
t-1,2-Dichloroethene	0.75	J	ug/L	0.40	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
c-1,3-Dichloropropene	ND	U	ug/L	0.28	0.50	1	04/22/11 08:02	EPA 8260B	110421L04
1,3-Dichlorobenzene	ND	U	ug/L	0.28	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
1,3-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
t-1,3-Dichloropropene	ND	U	ug/L	0.36	0.50	1	04/22/11 08:02	EPA 8260B	110421L04
1,4-Dichlorobenzene	ND	U	ug/L	0.21	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
2,2-Dichloropropane	ND	U	ug/L	0.46	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
2-Chlorotoluene	ND	U	ug/L	0.55	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
4-Chlorotoluene	ND	U	ug/L	0.21	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
4-Methyl-2-Pentanone	ND	U	ug/L	4.4	10	1	04/22/11 08:02	EPA 8260B	110421L04
Acetone	ND	U	ug/L	20	50	1	04/22/11 08:02	EPA 8260B	110421L04
Bromobenzene	ND	U	ug/L	0.33	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Bromochloromethane	ND	U	ug/L	0.69	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Bromoform	ND	U	ug/L	0.55	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Bromomethane	ND	U	ug/L	4.3	10	1	04/22/11 08:02	EPA 8260B	110421L04
Carbon Disulfide	ND	U	ug/L	1.9	10	1	04/22/11 08:02	EPA 8260B	110421L04
Carbon Tetrachloride	ND	U	ug/L	0.43	0.50	1	04/22/11 08:02	EPA 8260B	110421L04
Chlorobenzene	ND	U	ug/L	0.22	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Dibromochloromethane	ND	U	ug/L	0.48	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Chloroethane	ND	U	ug/L	1.3	5.0	1	04/22/11 08:02	EPA 8260B	110421L04
Chloroform	0.34	J	ug/L	0.33	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Chloromethane	ND	U	ug/L	0.49	10	1	04/22/11 08:02	EPA 8260B	110421L04
Dibromomethane	ND	U	ug/L	0.59	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Bromodichloromethane	ND	U	ug/L	0.33	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Dichlorodifluoromethane	ND	U	ug/L	0.49	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Hexachloro-1,3-Butadiene	ND	U	ug/L	3.1	20	1	04/22/11 08:02	EPA 8260B	110421L04
Isopropylbenzene	ND	U	ug/L	0.23	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
2-Butanone	ND	U	ug/L	6.9	10	1	04/22/11 08:02	EPA 8260B	110421L04

Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 4 (W-103-MW6B, Aqueous) Sampled: 04/19/11 14:15									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-4-B)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
Methylene Chloride	ND	U	ug/L	2.6	10	1	04/22/11 08:02	EPA 8260B	110421L04
2-Hexanone	ND	U	ug/L	6.9	10	1	04/22/11 08:02	EPA 8260B	110421L04
Naphthalene	ND	U	ug/L	2.5	10	1	04/22/11 08:02	EPA 8260B	110421L04
n-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
n-Propylbenzene	ND	U	ug/L	0.79	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
p-Isopropyltoluene	ND	U	ug/L	0.26	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
sec-Butylbenzene	ND	U	ug/L	0.20	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Styrene	ND	U	ug/L	0.30	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
tert-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Tetrachloroethene	130		ug/L	0.51	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Trichloroethene	97		ug/L	0.30	1.0	1	04/22/11 08:02	EPA 8260B	110421L04
Trichlorofluoromethane	ND	U	ug/L	0.31	10	1	04/22/11 08:02	EPA 8260B	110421L04
Vinyl Chloride	0.48	J	ug/L	0.33	0.50	1	04/22/11 08:02	EPA 8260B	110421L04
Surr: Toluene-d8 (80-120%)	101%						04/22/11 08:02	EPA 8260B	110421L04
Surr: Dibromofluoromethane (80-126%)	96%						04/22/11 08:02	EPA 8260B	110421L04
Surr: 1,4-Bromofluorobenzene (80-120%)	102%						04/22/11 08:02	EPA 8260B	110421L04
Surr: 1,2-Dichloroethane-d4 (80-134%)	98%						04/22/11 08:02	EPA 8260B	110421L04

Sample ID: 5 (W-MW6C, Aqueous) Sampled: 04/19/11 14:35

EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-5-A)

-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Benzene	1.4		ug/L	0.28	0.50	1	04/21/11 17:03	EPA 8260B	110421L01
Toluene	2.2		ug/L	0.33	0.50	1	04/21/11 17:03	EPA 8260B	110421L01
Ethylbenzene	1.3		ug/L	0.22	0.50	1	04/21/11 17:03	EPA 8260B	110421L01
Xylenes (total)	3.8		ug/L	0.45	0.50	1	04/21/11 17:03	EPA 8260B	110421L01
Methyl-t-Butyl Ether (MTBE)	ND	U	ug/L	0.30	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Tert-Butyl Alcohol (TBA)	5.6	J	ug/L	3.5	10	1	04/21/11 17:03	EPA 8260B	110421L01
Diisopropyl Ether (DIPE)	ND	U	ug/L	0.31	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Ethyl-t-Butyl Ether (ETBE)	ND	U	ug/L	0.27	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Tert-Amyl-Methyl Ether (TAME)	ND	U	ug/L	0.28	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Ethanol	120	J	ug/L	50	250	1	04/21/11 17:03	EPA 8260B	110421L01
1,1,1,2-Tetrachloroethane	ND	U	ug/L	0.35	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
1,1,1-Trichloroethane	ND	U	ug/L	0.45	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
1,1,2,2-Tetrachloroethane	ND	U	ug/L	0.44	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
1,1,2-Trichloroethane	ND	U	ug/L	0.54	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	U	ug/L	0.64	10	1	04/21/11 17:03	EPA 8260B	110421L01
1,1-Dichloroethane	3.0		ug/L	0.37	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
1,1-Dichloroethene	18		ug/L	0.40	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
1,1-Dichloropropene	ND	U	ug/L	0.26	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
1,2,3-Trichlorobenzene	ND	U	ug/L	0.31	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
1,2,3-Trichloropropane	ND	U	ug/L	1.3	5.0	1	04/21/11 17:03	EPA 8260B	110421L01



Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 5 (W-MW6C, Aqueous) Sampled: 04/19/11 14:35									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-5-A)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
1,2,4-Trichlorobenzene	ND	U	ug/L	0.49	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
1,2,4-Trimethylbenzene	1.2		ug/L	0.24	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
1,3,5-Trimethylbenzene	0.45	J	ug/L	0.23	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
c-1,2-Dichloroethene	110		ug/L	0.49	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
1,2-Dibromo-3-Chloropropane	ND	U	ug/L	3.1	5.0	1	04/21/11 17:03	EPA 8260B	110421L01
1,2-Dibromoethane	ND	U	ug/L	0.47	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
1,2-Dichlorobenzene	ND	U	ug/L	0.27	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
1,2-Dichloroethane	0.76		ug/L	0.31	0.50	1	04/21/11 17:03	EPA 8260B	110421L01
1,2-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
t-1,2-Dichloroethene	5.5		ug/L	0.40	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
c-1,3-Dichloropropene	ND	U	ug/L	0.28	0.50	1	04/21/11 17:03	EPA 8260B	110421L01
1,3-Dichlorobenzene	ND	U	ug/L	0.28	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
1,3-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
t-1,3-Dichloropropene	ND	U	ug/L	0.36	0.50	1	04/21/11 17:03	EPA 8260B	110421L01
1,4-Dichlorobenzene	ND	U	ug/L	0.21	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
2,2-Dichloropropane	ND	U	ug/L	0.46	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
2-Chlorotoluene	ND	U	ug/L	0.55	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
4-Chlorotoluene	ND	U	ug/L	0.21	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
4-Methyl-2-Pentanone	ND	U	ug/L	4.4	10	1	04/21/11 17:03	EPA 8260B	110421L01
Acetone	ND	U	ug/L	20	50	1	04/21/11 17:03	EPA 8260B	110421L01
Bromobenzene	ND	U	ug/L	0.33	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Bromochloromethane	ND	U	ug/L	0.69	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Bromoform	ND	U	ug/L	0.55	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Bromomethane	ND	U	ug/L	4.3	10	1	04/21/11 17:03	EPA 8260B	110421L01
Carbon Disulfide	ND	U	ug/L	1.9	10	1	04/21/11 17:03	EPA 8260B	110421L01
Carbon Tetrachloride	ND	U	ug/L	0.43	0.50	1	04/21/11 17:03	EPA 8260B	110421L01
Chlorobenzene	ND	U	ug/L	0.22	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Dibromochloromethane	ND	U	ug/L	0.48	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Chloroethane	ND	U	ug/L	1.3	5.0	1	04/21/11 17:03	EPA 8260B	110421L01
Chloroform	3.2		ug/L	0.33	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Chloromethane	ND	U	ug/L	0.49	10	1	04/21/11 17:03	EPA 8260B	110421L01
Dibromomethane	ND	U	ug/L	0.59	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Bromodichloromethane	ND	U	ug/L	0.33	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Dichlorodifluoromethane	ND	U	ug/L	0.49	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Hexachloro-1,3-Butadiene	ND	U	ug/L	3.1	20	1	04/21/11 17:03	EPA 8260B	110421L01
Isopropylbenzene	0.27	J	ug/L	0.23	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
2-Butanone	ND	U	ug/L	6.9	10	1	04/21/11 17:03	EPA 8260B	110421L01
Methylene Chloride	ND	U	ug/L	2.6	10	1	04/21/11 17:03	EPA 8260B	110421L01
2-Hexanone	ND	U	ug/L	6.9	10	1	04/21/11 17:03	EPA 8260B	110421L01
Naphthalene	ND	U	ug/L	2.5	10	1	04/21/11 17:03	EPA 8260B	110421L01
n-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
n-Propylbenzene	ND	U	ug/L	0.79	1.0	1	04/21/11 17:03	EPA 8260B	110421L01

Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 5 (W-MW6C, Aqueous) Sampled: 04/19/11 14:35									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-5-A)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
p-Isopropyltoluene	ND	U	ug/L	0.26	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
sec-Butylbenzene	ND	U	ug/L	0.20	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Styrene	ND	U	ug/L	0.30	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
tert-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Tetrachloroethene	1800		ug/L	26	50	50	04/21/11 17:03	EPA 8260B	110421L01
Trichloroethene	140		ug/L	0.30	1.0	1	04/21/11 17:03	EPA 8260B	110421L01
Trichlorofluoromethane	ND	U	ug/L	0.31	10	1	04/21/11 17:03	EPA 8260B	110421L01
Vinyl Chloride	11		ug/L	0.33	0.50	1	04/21/11 17:03	EPA 8260B	110421L01
Surr: Toluene-d8 (80-120%)	100%						04/21/11 17:03	EPA 8260B	110421L01
Surr: 1,4-Bromofluorobenzene (80-120%)	102%						04/21/11 17:03	EPA 8260B	110421L01
Surr: Dibromofluoromethane (80-126%)	97%						04/21/11 17:03	EPA 8260B	110421L01
Surr: 1,2-Dichloroethane-d4 (80-134%)	92%						04/21/11 17:03	EPA 8260B	110421L01

Sample ID: 6 (W-98-MW7A, Aqueous) Sampled: 04/19/11 13:00

EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-6-B)

-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

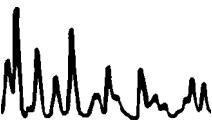
Benzene	ND	U	ug/L	0.28	0.50	1	04/23/11 00:31	EPA 8260B	110422L02
Toluene	3.7		ug/L	0.33	0.50	1	04/23/11 00:31	EPA 8260B	110422L02
Ethylbenzene	ND	U	ug/L	0.22	0.50	1	04/23/11 00:31	EPA 8260B	110422L02
Xylenes (total)	ND	U	ug/L	0.45	0.50	1	04/23/11 00:31	EPA 8260B	110422L02
Methyl-t-Butyl Ether (MTBE)	ND	U	ug/L	0.30	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Tert-Butyl Alcohol (TBA)	13		ug/L	3.5	10	1	04/23/11 00:31	EPA 8260B	110422L02
Diisopropyl Ether (DIPE)	ND	U	ug/L	0.31	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Ethyl-t-Butyl Ether (ETBE)	ND	U	ug/L	0.27	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Tert-Amyl-Methyl Ether (TAME)	ND	U	ug/L	0.28	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Ethanol	ND	U	ug/L	50	250	1	04/23/11 00:31	EPA 8260B	110422L02
1,1,1,2-Tetrachloroethane	ND	U	ug/L	0.35	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
1,1,1-Trichloroethane	ND	U	ug/L	0.45	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
1,1,2,2-Tetrachloroethane	ND	U	ug/L	0.44	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
1,1,2-Trichloroethane	ND	U	ug/L	0.54	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
1,1,2-Trichloro-1,2,2-Trifluoroethane	12		ug/L	0.64	10	1	04/23/11 00:31	EPA 8260B	110422L02
1,1-Dichloroethane	15		ug/L	0.37	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
1,1-Dichloroethene	70		ug/L	0.40	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
1,1-Dichloropropene	ND	U	ug/L	0.26	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
1,2,3-Trichlorobenzene	ND	U	ug/L	0.31	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
1,2,3-Trichloropropane	ND	U	ug/L	1.3	5.0	1	04/23/11 00:31	EPA 8260B	110422L02
1,2,4-Trichlorobenzene	ND	U	ug/L	0.49	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
1,2,4-Trimethylbenzene	ND	U	ug/L	0.24	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
1,3,5-Trimethylbenzene	ND	U	ug/L	0.23	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
c-1,2-Dichloroethene	41		ug/L	0.49	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
1,2-Dibromo-3-Chloropropane	ND	U	ug/L	3.1	5.0	1	04/23/11 00:31	EPA 8260B	110422L02



Client: Cardno ERI Work Order: 11-04-1303
 4572 Telephone Road, Suite 916 Project Name: ExxonMobil Former Jalk Fee / 081155
 Ventura, CA 93003-5663 Received: 04/20/11 18:00
 Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 6 (W-98-MW7A, Aqueous) Sampled: 04/19/11 13:00									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-6-B)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
1,2-Dibromoethane	ND	U	ug/L	0.47	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
1,2-Dichlorobenzene	ND	U	ug/L	0.27	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
1,2-Dichloroethane	3.0		ug/L	0.31	0.50	1	04/23/11 00:31	EPA 8260B	110422L02
1,2-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
t-1,2-Dichloroethene	0.76	J	ug/L	0.40	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
c-1,3-Dichloropropene	ND	U	ug/L	0.28	0.50	1	04/23/11 00:31	EPA 8260B	110422L02
1,3-Dichlorobenzene	ND	U	ug/L	0.28	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
1,3-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
t-1,3-Dichloropropene	ND	U	ug/L	0.36	0.50	1	04/23/11 00:31	EPA 8260B	110422L02
1,4-Dichlorobenzene	ND	U	ug/L	0.21	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
2,2-Dichloropropane	ND	U	ug/L	0.46	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
2-Chlorotoluene	ND	U	ug/L	0.55	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
4-Chlorotoluene	ND	U	ug/L	0.21	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
4-Methyl-2-Pentanone	ND	U	ug/L	4.4	10	1	04/23/11 00:31	EPA 8260B	110422L02
Acetone	ND	U	ug/L	20	50	1	04/23/11 00:31	EPA 8260B	110422L02
Bromobenzene	ND	U	ug/L	0.33	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Bromochloromethane	ND	U	ug/L	0.69	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Bromoform	ND	U	ug/L	0.55	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Bromomethane	ND	U	ug/L	4.3	10	1	04/23/11 00:31	EPA 8260B	110422L02
Carbon Disulfide	ND	U	ug/L	1.9	10	1	04/23/11 00:31	EPA 8260B	110422L02
Carbon Tetrachloride	ND	U	ug/L	0.43	0.50	1	04/23/11 00:31	EPA 8260B	110422L02
Chlorobenzene	ND	U	ug/L	0.22	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Dibromochloromethane	ND	U	ug/L	0.48	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Chloroethane	ND	U	ug/L	1.3	5.0	1	04/23/11 00:31	EPA 8260B	110422L02
Chloroform	2.2		ug/L	0.33	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Chloromethane	ND	U	ug/L	0.49	10	1	04/23/11 00:31	EPA 8260B	110422L02
Dibromomethane	ND	U	ug/L	0.59	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Bromodichloromethane	ND	U	ug/L	0.33	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Dichlorodifluoromethane	ND	U	ug/L	0.49	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Hexachloro-1,3-Butadiene	ND	U	ug/L	3.1	20	1	04/23/11 00:31	EPA 8260B	110422L02
Isopropylbenzene	ND	U	ug/L	0.23	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
2-Butanone	ND	U	ug/L	6.9	10	1	04/23/11 00:31	EPA 8260B	110422L02
Methylene Chloride	ND	U	ug/L	2.6	10	1	04/23/11 00:31	EPA 8260B	110422L02
2-Hexanone	ND	U	ug/L	6.9	10	1	04/23/11 00:31	EPA 8260B	110422L02
Naphthalene	ND	U	ug/L	2.5	10	1	04/23/11 00:31	EPA 8260B	110422L02
n-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
n-Propylbenzene	ND	U	ug/L	0.79	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
p-Isopropyltoluene	ND	U	ug/L	0.26	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
sec-Butylbenzene	ND	U	ug/L	0.20	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Styrene	ND	U	ug/L	0.30	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
tert-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Tetrachloroethene	110		ug/L	0.51	1.0	1	04/23/11 00:31	EPA 8260B	110422L02



Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 6 (W-98-MW7A, Aqueous) Sampled: 04/19/11 13:00									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-6-B)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
Trichloroethene	73		ug/L	0.30	1.0	1	04/23/11 00:31	EPA 8260B	110422L02
Trichlorofluoromethane	3.7	J	ug/L	0.31	10	1	04/23/11 00:31	EPA 8260B	110422L02
Vinyl Chloride	0.61		ug/L	0.33	0.50	1	04/23/11 00:31	EPA 8260B	110422L02
Surr: Toluene-d8 (80-120%)	101%						04/23/11 00:31	EPA 8260B	110422L02
Surr: Dibromofluoromethane (80-126%)	93%						04/23/11 00:31	EPA 8260B	110422L02
Surr: 1,4-Bromofluorobenzene (80-120%)	100%						04/23/11 00:31	EPA 8260B	110422L02
Surr: 1,2-Dichloroethane-d4 (80-134%)	91%						04/23/11 00:31	EPA 8260B	110422L02

Sample ID: 7 (W-MW7B, Aqueous) Sampled: 04/19/11 13:15

EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-7-B)

-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Benzene	2.1		ug/L	0.28	0.50	1	04/23/11 02:26	EPA 8260B	110422L02
Toluene	25		ug/L	0.33	0.50	1	04/23/11 02:26	EPA 8260B	110422L02
Ethylbenzene	0.74		ug/L	0.22	0.50	1	04/23/11 02:26	EPA 8260B	110422L02
Xylenes (total)	3.3		ug/L	0.45	0.50	1	04/23/11 02:26	EPA 8260B	110422L02
Methyl-t-Butyl Ether (MTBE)	ND	U	ug/L	0.30	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Tert-Butyl Alcohol (TBA)	16		ug/L	3.5	10	1	04/23/11 02:26	EPA 8260B	110422L02
Diisopropyl Ether (DIPE)	ND	U	ug/L	0.31	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Ethyl-t-Butyl Ether (ETBE)	ND	U	ug/L	0.27	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Tert-Amyl-Methyl Ether (TAME)	ND	U	ug/L	0.28	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Ethanol	ND	U	ug/L	50	250	1	04/23/11 02:26	EPA 8260B	110422L02
1,1,1,2-Tetrachloroethane	ND	U	ug/L	0.35	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,1,1-Trichloroethane	ND	U	ug/L	0.45	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,1,2,2-Tetrachloroethane	ND	U	ug/L	0.44	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,1,2-Trichloroethane	ND	U	ug/L	0.54	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,1,2-Trichloro-1,2,2-Trifluoroethane	4.2	J	ug/L	0.64	10	1	04/23/11 02:26	EPA 8260B	110422L02
1,1-Dichloroethane	11		ug/L	0.37	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,1-Dichloroethene	38		ug/L	0.40	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,1-Dichloropropene	ND	U	ug/L	0.26	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,2,3-Trichlorobenzene	ND	U	ug/L	0.31	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,2,3-Trichloropropane	ND	U	ug/L	1.3	5.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,2,4-Trichlorobenzene	ND	U	ug/L	0.49	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,2,4-Trimethylbenzene	0.60	J	ug/L	0.24	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,3,5-Trimethylbenzene	ND	U	ug/L	0.23	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
c-1,2-Dichloroethene	27		ug/L	0.49	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,2-Dibromo-3-Chloropropane	ND	U	ug/L	3.1	5.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,2-Dibromoethane	ND	U	ug/L	0.47	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,2-Dichlorobenzene	ND	U	ug/L	0.27	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,2-Dichloroethane	2.2		ug/L	0.31	0.50	1	04/23/11 02:26	EPA 8260B	110422L02
1,2-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
t-1,2-Dichloroethene	ND	U	ug/L	0.40	1.0	1	04/23/11 02:26	EPA 8260B	110422L02



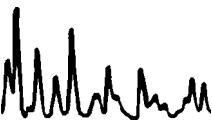
Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 7 (W-MW7B, Aqueous) Sampled: 04/19/11 13:15									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-7-B)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
c-1,3-Dichloropropene	ND	U	ug/L	0.28	0.50	1	04/23/11 02:26	EPA 8260B	110422L02
1,3-Dichlorobenzene	ND	U	ug/L	0.28	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
1,3-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
t-1,3-Dichloropropene	ND	U	ug/L	0.36	0.50	1	04/23/11 02:26	EPA 8260B	110422L02
1,4-Dichlorobenzene	ND	U	ug/L	0.21	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
2,2-Dichloropropane	ND	U	ug/L	0.46	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
2-Chlorotoluene	ND	U	ug/L	0.55	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
4-Chlorotoluene	ND	U	ug/L	0.21	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
4-Methyl-2-Pentanone	ND	U	ug/L	4.4	10	1	04/23/11 02:26	EPA 8260B	110422L02
Acetone	ND	U	ug/L	20	50	1	04/23/11 02:26	EPA 8260B	110422L02
Bromobenzene	ND	U	ug/L	0.33	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Bromochloromethane	ND	U	ug/L	0.69	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Bromoform	ND	U	ug/L	0.55	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Bromomethane	ND	U	ug/L	4.3	10	1	04/23/11 02:26	EPA 8260B	110422L02
Carbon Disulfide	ND	U	ug/L	1.9	10	1	04/23/11 02:26	EPA 8260B	110422L02
Carbon Tetrachloride	ND	U	ug/L	0.43	0.50	1	04/23/11 02:26	EPA 8260B	110422L02
Chlorobenzene	ND	U	ug/L	0.22	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Dibromochloromethane	ND	U	ug/L	0.48	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Chloroethane	ND	U	ug/L	1.3	5.0	1	04/23/11 02:26	EPA 8260B	110422L02
Chloroform	1.3		ug/L	0.33	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Chloromethane	ND	U	ug/L	0.49	10	1	04/23/11 02:26	EPA 8260B	110422L02
Dibromomethane	ND	U	ug/L	0.59	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Bromodichloromethane	ND	U	ug/L	0.33	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Dichlorodifluoromethane	ND	U	ug/L	0.49	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Hexachloro-1,3-Butadiene	ND	U	ug/L	3.1	20	1	04/23/11 02:26	EPA 8260B	110422L02
Isopropylbenzene	ND	U	ug/L	0.23	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
2-Butanone	ND	U	ug/L	6.9	10	1	04/23/11 02:26	EPA 8260B	110422L02
Methylene Chloride	ND	U	ug/L	2.6	10	1	04/23/11 02:26	EPA 8260B	110422L02
2-Hexanone	ND	U	ug/L	6.9	10	1	04/23/11 02:26	EPA 8260B	110422L02
Naphthalene	ND	U	ug/L	2.5	10	1	04/23/11 02:26	EPA 8260B	110422L02
n-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
n-Propylbenzene	ND	U	ug/L	0.79	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
p-Isopropyltoluene	ND	U	ug/L	0.26	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
sec-Butylbenzene	ND	U	ug/L	0.20	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Styrene	ND	U	ug/L	0.30	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
tert-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Tetrachloroethene	50		ug/L	0.51	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Trichloroethene	34		ug/L	0.30	1.0	1	04/23/11 02:26	EPA 8260B	110422L02
Trichlorofluoromethane	0.82	J	ug/L	0.31	10	1	04/23/11 02:26	EPA 8260B	110422L02
Vinyl Chloride	ND	U	ug/L	0.33	0.50	1	04/23/11 02:26	EPA 8260B	110422L02
Surr: Toluene-d8 (80-120%)	101%						04/23/11 02:26	EPA 8260B	110422L02
Surr: Dibromofluoromethane (80-126%)	98%						04/23/11 02:26	EPA 8260B	110422L02



Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 7 (W-MW7B, Aqueous) Sampled: 04/19/11 13:15									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-7-B)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
Surr: 1,4-Bromofluorobenzene (80-120%)	103%						04/23/11 02:26	EPA 8260B	110422L02
Surr: 1,2-Dichloroethane-d4 (80-134%)	94%						04/23/11 02:26	EPA 8260B	110422L02
Sample ID: 8 (W-110-MW7C, Aqueous) Sampled: 04/19/11 13:45									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-8-B)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
Benzene	2.1		ug/L	0.28	0.50	1	04/23/11 02:55	EPA 8260B	110422L02
Toluene	35		ug/L	0.33	0.50	1	04/23/11 02:55	EPA 8260B	110422L02
Ethylbenzene	0.65		ug/L	0.22	0.50	1	04/23/11 02:55	EPA 8260B	110422L02
Xylenes (total)	2.9		ug/L	0.45	0.50	1	04/23/11 02:55	EPA 8260B	110422L02
Methyl-t-Butyl Ether (MTBE)	ND	U	ug/L	0.30	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Tert-Butyl Alcohol (TBA)	4.5	J	ug/L	3.5	10	1	04/23/11 02:55	EPA 8260B	110422L02
Diisopropyl Ether (DIPE)	ND	U	ug/L	0.31	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Ethyl-t-Butyl Ether (ETBE)	ND	U	ug/L	0.27	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Tert-Amyl-Methyl Ether (TAME)	ND	U	ug/L	0.28	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Ethanol	ND	U	ug/L	50	250	1	04/23/11 02:55	EPA 8260B	110422L02
1,1,1,2-Tetrachloroethane	ND	U	ug/L	0.35	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,1,1-Trichloroethane	ND	U	ug/L	0.45	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,1,2,2-Tetrachloroethane	ND	U	ug/L	0.44	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,1,2-Trichloroethane	ND	U	ug/L	0.54	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.0	J	ug/L	0.64	10	1	04/23/11 02:55	EPA 8260B	110422L02
1,1-Dichloroethane	1.3		ug/L	0.37	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,1-Dichloroethene	5.6		ug/L	0.40	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,1-Dichloropropene	ND	U	ug/L	0.26	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,2,3-Trichlorobenzene	ND	U	ug/L	0.31	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,2,3-Trichloropropane	ND	U	ug/L	1.3	5.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,2,4-Trichlorobenzene	ND	U	ug/L	0.49	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,2,4-Trimethylbenzene	0.40	J	ug/L	0.24	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,3,5-Trimethylbenzene	ND	U	ug/L	0.23	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
c-1,2-Dichloroethene	4.8		ug/L	0.49	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,2-Dibromo-3-Chloropropane	ND	U	ug/L	3.1	5.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,2-Dibromoethane	ND	U	ug/L	0.47	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,2-Dichlorobenzene	ND	U	ug/L	0.27	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,2-Dichloroethane	0.34	J	ug/L	0.31	0.50	1	04/23/11 02:55	EPA 8260B	110422L02
1,2-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
t-1,2-Dichloroethene	ND	U	ug/L	0.40	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
c-1,3-Dichloropropene	ND	U	ug/L	0.28	0.50	1	04/23/11 02:55	EPA 8260B	110422L02
1,3-Dichlorobenzene	ND	U	ug/L	0.28	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
1,3-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
t-1,3-Dichloropropene	ND	U	ug/L	0.36	0.50	1	04/23/11 02:55	EPA 8260B	110422L02
1,4-Dichlorobenzene	ND	U	ug/L	0.21	1.0	1	04/23/11 02:55	EPA 8260B	110422L02

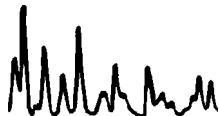
Client: Cardno ERI Work Order: 11-04-1303
 4572 Telephone Road, Suite 916 Project Name: ExxonMobil Former Jalk Fee / 081155
 Ventura, CA 93003-5663 Received: 04/20/11 18:00
 Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 8 (W-110-MW7C, Aqueous) Sampled: 04/19/11 13:45									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-8-B)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
2,2-Dichloropropane	ND	U	ug/L	0.46	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
2-Chlorotoluene	ND	U	ug/L	0.55	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
4-Chlorotoluene	ND	U	ug/L	0.21	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
4-Methyl-2-Pentanone	ND	U	ug/L	4.4	10	1	04/23/11 02:55	EPA 8260B	110422L02
Acetone	ND	U	ug/L	20	50	1	04/23/11 02:55	EPA 8260B	110422L02
Bromobenzene	ND	U	ug/L	0.33	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Bromochloromethane	ND	U	ug/L	0.69	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Bromoform	ND	U	ug/L	0.55	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Bromomethane	ND	U	ug/L	4.3	10	1	04/23/11 02:55	EPA 8260B	110422L02
Carbon Disulfide	ND	U	ug/L	1.9	10	1	04/23/11 02:55	EPA 8260B	110422L02
Carbon Tetrachloride	ND	U	ug/L	0.43	0.50	1	04/23/11 02:55	EPA 8260B	110422L02
Chlorobenzene	ND	U	ug/L	0.22	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Dibromochloromethane	ND	U	ug/L	0.48	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Chloroethane	ND	U	ug/L	1.3	5.0	1	04/23/11 02:55	EPA 8260B	110422L02
Chloroform	0.84	J	ug/L	0.33	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Chloromethane	ND	U	ug/L	0.49	10	1	04/23/11 02:55	EPA 8260B	110422L02
Dibromomethane	ND	U	ug/L	0.59	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Bromodichloromethane	ND	U	ug/L	0.33	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Dichlorodifluoromethane	ND	U	ug/L	0.49	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Hexachloro-1,3-Butadiene	ND	U	ug/L	3.1	20	1	04/23/11 02:55	EPA 8260B	110422L02
Isopropylbenzene	ND	U	ug/L	0.23	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
2-Butanone	ND	U	ug/L	6.9	10	1	04/23/11 02:55	EPA 8260B	110422L02
Methylene Chloride	ND	U	ug/L	2.6	10	1	04/23/11 02:55	EPA 8260B	110422L02
2-Hexanone	ND	U	ug/L	6.9	10	1	04/23/11 02:55	EPA 8260B	110422L02
Naphthalene	ND	U	ug/L	2.5	10	1	04/23/11 02:55	EPA 8260B	110422L02
n-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
n-Propylbenzene	ND	U	ug/L	0.79	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
p-Isopropyltoluene	ND	U	ug/L	0.26	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
sec-Butylbenzene	ND	U	ug/L	0.20	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Styrene	ND	U	ug/L	0.30	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
tert-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Tetrachloroethene	9.9		ug/L	0.51	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Trichloroethene	5.2		ug/L	0.30	1.0	1	04/23/11 02:55	EPA 8260B	110422L02
Trichlorofluoromethane	ND	U	ug/L	0.31	10	1	04/23/11 02:55	EPA 8260B	110422L02
Vinyl Chloride	ND	U	ug/L	0.33	0.50	1	04/23/11 02:55	EPA 8260B	110422L02
Surr: Toluene-d8 (80-120%)	100%						04/23/11 02:55	EPA 8260B	110422L02
Surr: Dibromofluoromethane (80-126%)	96%						04/23/11 02:55	EPA 8260B	110422L02
Surr: 1,4-Bromofluorobenzene (80-120%)	101%						04/23/11 02:55	EPA 8260B	110422L02
Surr: 1,2-Dichloroethane-d4 (80-134%)	93%						04/23/11 02:55	EPA 8260B	110422L02

Sample ID: 9 (W-98-MW8A, Aqueous) Sampled: 04/19/11 11:15

EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-9-B)

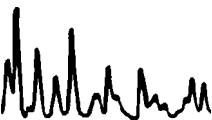


7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL:(714) 895-5494 · FAX: (714) 894-7501

Client: Cardno ERI Work Order: 11-04-1303
 4572 Telephone Road, Suite 916 Project Name: ExxonMobil Former Jalk Fee / 081155
 Ventura, CA 93003-5663 Received: 04/20/11 18:00
 Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 9 (W-98-MW8A, Aqueous) Sampled: 04/19/11 11:15									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-9-B)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
Benzene	0.33	J	ug/L	0.28	0.50	1	04/23/11 03:24	EPA 8260B	110422L02
Toluene	0.42	J	ug/L	0.33	0.50	1	04/23/11 03:24	EPA 8260B	110422L02
Ethylbenzene	48		ug/L	0.22	0.50	1	04/23/11 03:24	EPA 8260B	110422L02
Xylenes (total)	1.1		ug/L	0.45	0.50	1	04/23/11 03:24	EPA 8260B	110422L02
Methyl-t-Butyl Ether (MTBE)	ND	U	ug/L	0.30	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Tert-Butyl Alcohol (TBA)	13		ug/L	3.5	10	1	04/23/11 03:24	EPA 8260B	110422L02
Diisopropyl Ether (DIPE)	ND	U	ug/L	0.31	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Ethyl-t-Butyl Ether (ETBE)	ND	U	ug/L	0.27	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Tert-Amyl-Methyl Ether (TAME)	ND	U	ug/L	0.28	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Ethanol	460		ug/L	50	250	1	04/23/11 03:24	EPA 8260B	110422L02
1,1,1,2-Tetrachloroethane	ND	U	ug/L	0.35	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,1,1-Trichloroethane	ND	U	ug/L	0.45	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,1,2,2-Tetrachloroethane	ND	U	ug/L	0.44	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,1,2-Trichloroethane	ND	U	ug/L	0.54	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	U	ug/L	0.64	10	1	04/23/11 03:24	EPA 8260B	110422L02
1,1-Dichloroethane	1.1		ug/L	0.37	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,1-Dichloroethene	11		ug/L	0.40	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,1-Dichloropropene	ND	U	ug/L	0.26	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,2,3-Trichlorobenzene	ND	U	ug/L	0.31	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,2,3-Trichloropropane	ND	U	ug/L	1.3	5.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,2,4-Trichlorobenzene	ND	U	ug/L	0.49	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,2,4-Trimethylbenzene	19		ug/L	0.24	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,3,5-Trimethylbenzene	8.5		ug/L	0.23	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
c-1,2-Dichloroethene	18		ug/L	0.49	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,2-Dibromo-3-Chloropropane	ND	U	ug/L	3.1	5.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,2-Dibromoethane	ND	U	ug/L	0.47	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,2-Dichlorobenzene	ND	U	ug/L	0.27	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,2-Dichloroethane	ND	U	ug/L	0.31	0.50	1	04/23/11 03:24	EPA 8260B	110422L02
1,2-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
t-1,2-Dichloroethene	1.8		ug/L	0.40	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
c-1,3-Dichloropropene	ND	U	ug/L	0.28	0.50	1	04/23/11 03:24	EPA 8260B	110422L02
1,3-Dichlorobenzene	ND	U	ug/L	0.28	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
1,3-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
t-1,3-Dichloropropene	ND	U	ug/L	0.36	0.50	1	04/23/11 03:24	EPA 8260B	110422L02
1,4-Dichlorobenzene	ND	U	ug/L	0.21	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
2,2-Dichloropropane	ND	U	ug/L	0.46	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
2-Chlorotoluene	ND	U	ug/L	0.55	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
4-Chlorotoluene	ND	U	ug/L	0.21	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
4-Methyl-2-Pentanone	ND	U	ug/L	4.4	10	1	04/23/11 03:24	EPA 8260B	110422L02
Acetone	ND	U	ug/L	20	50	1	04/23/11 03:24	EPA 8260B	110422L02
Bromobenzene	ND	U	ug/L	0.33	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Bromochloromethane	ND	U	ug/L	0.69	1.0	1	04/23/11 03:24	EPA 8260B	110422L02



Client: Cardno ERI Work Order: 11-04-1303
 4572 Telephone Road, Suite 916 Project Name: ExxonMobil Former Jalk Fee / 081155
 Ventura, CA 93003-5663 Received: 04/20/11 18:00
 Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 9 (W-98-MW8A, Aqueous) Sampled: 04/19/11 11:15									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-9-B)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
Bromoform	0.77	J	ug/L	0.55	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Bromomethane	ND	U	ug/L	4.3	10	1	04/23/11 03:24	EPA 8260B	110422L02
Carbon Disulfide	ND	U	ug/L	1.9	10	1	04/23/11 03:24	EPA 8260B	110422L02
Carbon Tetrachloride	ND	U	ug/L	0.43	0.50	1	04/23/11 03:24	EPA 8260B	110422L02
Chlorobenzene	ND	U	ug/L	0.22	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Dibromochloromethane	ND	U	ug/L	0.48	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Chloroethane	ND	U	ug/L	1.3	5.0	1	04/23/11 03:24	EPA 8260B	110422L02
Chloroform	6.1		ug/L	0.33	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Chloromethane	ND	U	ug/L	0.49	10	1	04/23/11 03:24	EPA 8260B	110422L02
Dibromomethane	1.4		ug/L	0.59	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Bromodichloromethane	ND	U	ug/L	0.33	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Dichlorodifluoromethane	ND	U	ug/L	0.49	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Hexachloro-1,3-Butadiene	ND	U	ug/L	3.1	20	1	04/23/11 03:24	EPA 8260B	110422L02
Isopropylbenzene	16		ug/L	0.23	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
2-Butanone	ND	U	ug/L	6.9	10	1	04/23/11 03:24	EPA 8260B	110422L02
Methylene Chloride	ND	U	ug/L	2.6	10	1	04/23/11 03:24	EPA 8260B	110422L02
2-Hexanone	ND	U	ug/L	6.9	10	1	04/23/11 03:24	EPA 8260B	110422L02
Naphthalene	6.6	J	ug/L	2.5	10	1	04/23/11 03:24	EPA 8260B	110422L02
n-Butylbenzene	2.0		ug/L	0.28	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
n-Propylbenzene	16		ug/L	0.79	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
p-Isopropyltoluene	1.8		ug/L	0.26	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
sec-Butylbenzene	2.9		ug/L	0.20	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Styrene	ND	U	ug/L	0.30	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
tert-Butylbenzene	0.34	J	ug/L	0.28	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Tetrachloroethene	4.7		ug/L	0.51	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Trichloroethene	14		ug/L	0.30	1.0	1	04/23/11 03:24	EPA 8260B	110422L02
Trichlorofluoromethane	ND	U	ug/L	0.31	10	1	04/23/11 03:24	EPA 8260B	110422L02
Vinyl Chloride	ND	U	ug/L	0.33	0.50	1	04/23/11 03:24	EPA 8260B	110422L02
Surr: Toluene-d8 (80-120%)	105%						04/23/11 03:24	EPA 8260B	110422L02
Surr: 1,4-Bromofluorobenzene (80-120%)	100%						04/23/11 03:24	EPA 8260B	110422L02
Surr: 1,2-Dichloroethane-d4 (80-134%)	87%						04/23/11 03:24	EPA 8260B	110422L02
Surr: Dibromofluoromethane (80-126%)	95%						04/23/11 03:24	EPA 8260B	110422L02

Sample ID: 10 (W-103-MW8B, Aqueous) Sampled: 04/19/11 11:45

EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-10-A)

-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Benzene	0.66		ug/L	0.28	0.50	1	04/21/11 19:30	EPA 8260B	110421L01
Toluene	0.90		ug/L	0.33	0.50	1	04/21/11 19:30	EPA 8260B	110421L01
Ethylbenzene	6.5		ug/L	0.22	0.50	1	04/21/11 19:30	EPA 8260B	110421L01
Xylenes (total)	1.7		ug/L	0.45	0.50	1	04/21/11 19:30	EPA 8260B	110421L01
Methyl-t-Butyl Ether (MTBE)	ND	U	ug/L	0.30	1.0	1	04/21/11 19:30	EPA 8260B	110421L01



Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663
 Attn: Alex Fuentes

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 10 (W-103-MW8B, Aqueous) Sampled: 04/19/11 11:45									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-10-A)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
Tert-Butyl Alcohol (TBA)	10		ug/L	3.5	10	1	04/21/11 19:30	EPA 8260B	110421L01
Diisopropyl Ether (DIPE)	ND	U	ug/L	0.31	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
Ethyl-t-Butyl Ether (ETBE)	ND	U	ug/L	0.27	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
Tert-Amyl-Methyl Ether (TAME)	ND	U	ug/L	0.28	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
Ethanol	630		ug/L	50	250	1	04/21/11 19:30	EPA 8260B	110421L01
1,1,1,2-Tetrachloroethane	ND	U	ug/L	0.35	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,1,1-Trichloroethane	ND	U	ug/L	0.45	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,1,2,2-Tetrachloroethane	ND	U	ug/L	0.44	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,1,2-Trichloroethane	ND	U	ug/L	0.54	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	U	ug/L	0.64	10	1	04/21/11 19:30	EPA 8260B	110421L01
1,1-Dichloroethane	2.0		ug/L	0.37	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,1-Dichloroethene	33		ug/L	0.40	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,1-Dichloropropene	ND	U	ug/L	0.26	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,2,3-Trichlorobenzene	ND	U	ug/L	0.31	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,2,3-Trichloropropane	ND	U	ug/L	1.3	5.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,2,4-Trichlorobenzene	ND	U	ug/L	0.49	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,2,4-Trimethylbenzene	1.6		ug/L	0.24	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,3,5-Trimethylbenzene	0.76	J	ug/L	0.23	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
c-1,2-Dichloroethene	11		ug/L	0.49	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,2-Dibromo-3-Chloropropane	ND	U	ug/L	3.1	5.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,2-Dibromoethane	ND	U	ug/L	0.47	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,2-Dichlorobenzene	ND	U	ug/L	0.27	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,2-Dichloroethane	0.57		ug/L	0.31	0.50	1	04/21/11 19:30	EPA 8260B	110421L01
1,2-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
t-1,2-Dichloroethene	0.88	J	ug/L	0.40	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
c-1,3-Dichloropropene	ND	U	ug/L	0.28	0.50	1	04/21/11 19:30	EPA 8260B	110421L01
1,3-Dichlorobenzene	ND	U	ug/L	0.28	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
1,3-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
t-1,3-Dichloropropene	ND	U	ug/L	0.36	0.50	1	04/21/11 19:30	EPA 8260B	110421L01
1,4-Dichlorobenzene	ND	U	ug/L	0.21	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
2,2-Dichloropropane	ND	U	ug/L	0.46	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
2-Chlorotoluene	ND	U	ug/L	0.55	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
4-Chlorotoluene	ND	U	ug/L	0.21	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
4-Methyl-2-Pentanone	ND	U	ug/L	4.4	10	1	04/21/11 19:30	EPA 8260B	110421L01
Acetone	29	J	ug/L	20	50	1	04/21/11 19:30	EPA 8260B	110421L01
Bromobenzene	ND	U	ug/L	0.33	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
Bromochloromethane	ND	U	ug/L	0.69	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
Bromoform	1.5		ug/L	0.55	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
Bromomethane	ND	U	ug/L	4.3	10	1	04/21/11 19:30	EPA 8260B	110421L01
Carbon Disulfide	ND	U	ug/L	1.9	10	1	04/21/11 19:30	EPA 8260B	110421L01
Carbon Tetrachloride	ND	U	ug/L	0.43	0.50	1	04/21/11 19:30	EPA 8260B	110421L01
Chlorobenzene	ND	U	ug/L	0.22	1.0	1	04/21/11 19:30	EPA 8260B	110421L01

Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 10 (W-103-MW8B, Aqueous) Sampled: 04/19/11 11:45									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-10-A)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
Dibromochloromethane	ND	U	ug/L	0.48	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
Chloroethane	ND	U	ug/L	1.3	5.0	1	04/21/11 19:30	EPA 8260B	110421L01
Chloroform	8.8		ug/L	0.33	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
Chloromethane	ND	U	ug/L	0.49	10	1	04/21/11 19:30	EPA 8260B	110421L01
Dibromomethane	ND	U	ug/L	0.59	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
Bromodichloromethane	ND	U	ug/L	0.33	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
Dichlorodifluoromethane	ND	U	ug/L	0.49	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
Hexachloro-1,3-Butadiene	ND	U	ug/L	3.1	20	1	04/21/11 19:30	EPA 8260B	110421L01
Isopropylbenzene	2.0		ug/L	0.23	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
2-Butanone	ND	U	ug/L	6.9	10	1	04/21/11 19:30	EPA 8260B	110421L01
Methylene Chloride	ND	U	ug/L	2.6	10	1	04/21/11 19:30	EPA 8260B	110421L01
2-Hexanone	ND	U	ug/L	6.9	10	1	04/21/11 19:30	EPA 8260B	110421L01
Naphthalene	ND	U	ug/L	2.5	10	1	04/21/11 19:30	EPA 8260B	110421L01
n-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
n-Propylbenzene	1.9		ug/L	0.79	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
p-Isopropyltoluene	ND	U	ug/L	0.26	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
sec-Butylbenzene	0.31	J	ug/L	0.20	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
Styrene	ND	U	ug/L	0.30	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
tert-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
Tetrachloroethene	2.7		ug/L	0.51	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
Trichloroethene	67		ug/L	0.30	1.0	1	04/21/11 19:30	EPA 8260B	110421L01
Trichlorofluoromethane	ND	U	ug/L	0.31	10	1	04/21/11 19:30	EPA 8260B	110421L01
Vinyl Chloride	ND	U	ug/L	0.33	0.50	1	04/21/11 19:30	EPA 8260B	110421L01
Surr: Toluene-d8 (80-120%)	101%						04/21/11 19:30	EPA 8260B	110421L01
Surr: Dibromofluoromethane (80-126%)	93%						04/21/11 19:30	EPA 8260B	110421L01
Surr: 1,4-Bromofluorobenzene (80-120%)	101%						04/21/11 19:30	EPA 8260B	110421L01
Surr: 1,2-Dichloroethane-d4 (80-134%)	89%						04/21/11 19:30	EPA 8260B	110421L01

Sample ID: 11 (W-108-MW8C, Aqueous) Sampled: 04/19/11 12:15

EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-11-B)

-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Benzene	0.33	J	ug/L	0.28	0.50	1	04/23/11 03:53	EPA 8260B	110422L02
Toluene	1.4		ug/L	0.33	0.50	1	04/23/11 03:53	EPA 8260B	110422L02
Ethylbenzene	3.9		ug/L	0.22	0.50	1	04/23/11 03:53	EPA 8260B	110422L02
Xylenes (total)	1.3		ug/L	0.45	0.50	1	04/23/11 03:53	EPA 8260B	110422L02
Methyl-t-Butyl Ether (MTBE)	ND	U	ug/L	0.30	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Tert-Butyl Alcohol (TBA)	29		ug/L	3.5	10	1	04/23/11 03:53	EPA 8260B	110422L02
Diisopropyl Ether (DIPE)	ND	U	ug/L	0.31	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Ethyl-t-Butyl Ether (ETBE)	ND	U	ug/L	0.27	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Tert-Amyl-Methyl Ether (TAME)	ND	U	ug/L	0.28	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Ethanol	900		ug/L	50	250	1	04/23/11 03:53	EPA 8260B	110422L02



Client: Cardno ERI Work Order: 11-04-1303
 4572 Telephone Road, Suite 916 Project Name: ExxonMobil Former Jalk Fee / 081155
 Ventura, CA 93003-5663 Received: 04/20/11 18:00
 Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 11 (W-108-MW8C, Aqueous) Sampled: 04/19/11 12:15									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-11-B)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
1,1,1,2-Tetrachloroethane	ND	U	ug/L	0.35	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,1,1-Trichloroethane	ND	U	ug/L	0.45	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,1,2,2-Tetrachloroethane	ND	U	ug/L	0.44	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,1,2-Trichloroethane	ND	U	ug/L	0.54	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	U	ug/L	0.64	10	1	04/23/11 03:53	EPA 8260B	110422L02
1,1-Dichloroethane	0.93	J	ug/L	0.37	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,1-Dichloroethene	15		ug/L	0.40	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,1-Dichloropropene	ND	U	ug/L	0.26	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,2,3-Trichlorobenzene	ND	U	ug/L	0.31	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,2,3-Trichloropropane	ND	U	ug/L	1.3	5.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,2,4-Trichlorobenzene	ND	U	ug/L	0.49	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,2,4-Trimethylbenzene	1.5		ug/L	0.24	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,3,5-Trimethylbenzene	0.72	J	ug/L	0.23	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
c-1,2-Dichloroethene	3.8		ug/L	0.49	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,2-Dibromo-3-Chloropropane	ND	U	ug/L	3.1	5.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,2-Dibromoethane	ND	U	ug/L	0.47	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,2-Dichlorobenzene	ND	U	ug/L	0.27	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,2-Dichloroethane	ND	U	ug/L	0.31	0.50	1	04/23/11 03:53	EPA 8260B	110422L02
1,2-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
t-1,2-Dichloroethene	ND	U	ug/L	0.40	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
c-1,3-Dichloropropene	ND	U	ug/L	0.28	0.50	1	04/23/11 03:53	EPA 8260B	110422L02
1,3-Dichlorobenzene	ND	U	ug/L	0.28	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
1,3-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
t-1,3-Dichloropropene	ND	U	ug/L	0.36	0.50	1	04/23/11 03:53	EPA 8260B	110422L02
1,4-Dichlorobenzene	ND	U	ug/L	0.21	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
2,2-Dichloropropane	ND	U	ug/L	0.46	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
2-Chlorotoluene	ND	U	ug/L	0.55	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
4-Chlorotoluene	ND	U	ug/L	0.21	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
4-Methyl-2-Pentanone	ND	U	ug/L	4.4	10	1	04/23/11 03:53	EPA 8260B	110422L02
Acetone	65		ug/L	20	50	1	04/23/11 03:53	EPA 8260B	110422L02
Bromobenzene	ND	U	ug/L	0.33	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Bromochloromethane	ND	U	ug/L	0.69	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Bromoform	ND	U	ug/L	0.55	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Bromomethane	ND	U	ug/L	4.3	10	1	04/23/11 03:53	EPA 8260B	110422L02
Carbon Disulfide	ND	U	ug/L	1.9	10	1	04/23/11 03:53	EPA 8260B	110422L02
Carbon Tetrachloride	ND	U	ug/L	0.43	0.50	1	04/23/11 03:53	EPA 8260B	110422L02
Chlorobenzene	ND	U	ug/L	0.22	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Dibromochloromethane	ND	U	ug/L	0.48	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Chloroethane	ND	U	ug/L	1.3	5.0	1	04/23/11 03:53	EPA 8260B	110422L02
Chloroform	13		ug/L	0.33	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Chloromethane	ND	U	ug/L	0.49	10	1	04/23/11 03:53	EPA 8260B	110422L02
Dibromomethane	ND	U	ug/L	0.59	1.0	1	04/23/11 03:53	EPA 8260B	110422L02

Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 11 (W-108-MW8C, Aqueous) Sampled: 04/19/11 12:15									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-11-B)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
Bromodichloromethane	ND	U	ug/L	0.33	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Dichlorodifluoromethane	ND	U	ug/L	0.49	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Hexachloro-1,3-Butadiene	ND	U	ug/L	3.1	20	1	04/23/11 03:53	EPA 8260B	110422L02
Isopropylbenzene	1.5		ug/L	0.23	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
2-Butanone	ND	U	ug/L	6.9	10	1	04/23/11 03:53	EPA 8260B	110422L02
Methylene Chloride	ND	U	ug/L	2.6	10	1	04/23/11 03:53	EPA 8260B	110422L02
2-Hexanone	ND	U	ug/L	6.9	10	1	04/23/11 03:53	EPA 8260B	110422L02
Naphthalene	ND	U	ug/L	2.5	10	1	04/23/11 03:53	EPA 8260B	110422L02
n-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
n-Propylbenzene	1.6		ug/L	0.79	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
p-Isopropyltoluene	ND	U	ug/L	0.26	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
sec-Butylbenzene	0.28	J	ug/L	0.20	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Styrene	ND	U	ug/L	0.30	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
tert-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Tetrachloroethene	7.2		ug/L	0.51	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Trichloroethene	22		ug/L	0.30	1.0	1	04/23/11 03:53	EPA 8260B	110422L02
Trichlorofluoromethane	ND	U	ug/L	0.31	10	1	04/23/11 03:53	EPA 8260B	110422L02
Vinyl Chloride	ND	U	ug/L	0.33	0.50	1	04/23/11 03:53	EPA 8260B	110422L02
Surr: Toluene-d8 (80-120%)	99%						04/23/11 03:53	EPA 8260B	110422L02
Surr: Dibromofluoromethane (80-126%)	96%						04/23/11 03:53	EPA 8260B	110422L02
Surr: 1,4-Bromofluorobenzene (80-120%)	102%						04/23/11 03:53	EPA 8260B	110422L02
Surr: 1,2-Dichloroethane-d4 (80-134%)	91%						04/23/11 03:53	EPA 8260B	110422L02

Sample ID: 12 (QCTB, Aqueous) Sampled: 04/19/11 07:00

EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-12-A)

-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Benzene	ND	U	ug/L	0.28	0.50	1	04/21/11 12:36	EPA 8260B	110421L01
Toluene	ND	U	ug/L	0.33	0.50	1	04/21/11 12:36	EPA 8260B	110421L01
Ethylbenzene	ND	U	ug/L	0.22	0.50	1	04/21/11 12:36	EPA 8260B	110421L01
Xylenes (total)	ND	U	ug/L	0.45	0.50	1	04/21/11 12:36	EPA 8260B	110421L01
Methyl-t-Butyl Ether (MTBE)	ND	U	ug/L	0.30	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Tert-Butyl Alcohol (TBA)	ND	U	ug/L	3.5	10	1	04/21/11 12:36	EPA 8260B	110421L01
Diisopropyl Ether (DIPE)	ND	U	ug/L	0.31	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Ethyl-t-Butyl Ether (ETBE)	ND	U	ug/L	0.27	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Tert-Amyl-Methyl Ether (TAME)	ND	U	ug/L	0.28	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Ethanol	ND	U	ug/L	50	250	1	04/21/11 12:36	EPA 8260B	110421L01
1,1,1,2-Tetrachloroethane	ND	U	ug/L	0.35	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,1,1-Trichloroethane	ND	U	ug/L	0.45	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,1,2,2-Tetrachloroethane	ND	U	ug/L	0.44	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,1,2-Trichloroethane	ND	U	ug/L	0.54	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	U	ug/L	0.64	10	1	04/21/11 12:36	EPA 8260B	110421L01



Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

Attn: Alex Fuentes

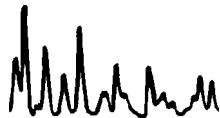
ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 12 (QCTB, Aqueous) Sampled: 04/19/11 07:00									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-12-A)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
1,1-Dichloroethane	ND	U	ug/L	0.37	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,1-Dichloroethene	ND	U	ug/L	0.40	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,1-Dichloropropene	ND	U	ug/L	0.26	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,2,3-Trichlorobenzene	ND	U	ug/L	0.31	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,2,3-Trichloropropane	ND	U	ug/L	1.3	5.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,2,4-Trichlorobenzene	ND	U	ug/L	0.49	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,2,4-Trimethylbenzene	ND	U	ug/L	0.24	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,3,5-Trimethylbenzene	ND	U	ug/L	0.23	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
c-1,2-Dichloroethene	ND	U	ug/L	0.49	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,2-Dibromo-3-Chloropropane	ND	U	ug/L	3.1	5.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,2-Dibromoethane	ND	U	ug/L	0.47	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,2-Dichlorobenzene	ND	U	ug/L	0.27	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,2-Dichloroethane	ND	U	ug/L	0.31	0.50	1	04/21/11 12:36	EPA 8260B	110421L01
1,2-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
t-1,2-Dichloroethene	ND	U	ug/L	0.40	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
c-1,3-Dichloropropene	ND	U	ug/L	0.28	0.50	1	04/21/11 12:36	EPA 8260B	110421L01
1,3-Dichlorobenzene	ND	U	ug/L	0.28	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
1,3-Dichloropropane	ND	U	ug/L	0.38	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
t-1,3-Dichloropropene	ND	U	ug/L	0.36	0.50	1	04/21/11 12:36	EPA 8260B	110421L01
1,4-Dichlorobenzene	ND	U	ug/L	0.21	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
2,2-Dichloropropane	ND	U	ug/L	0.46	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
2-Chlorotoluene	ND	U	ug/L	0.55	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
4-Chlorotoluene	ND	U	ug/L	0.21	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
4-Methyl-2-Pentanone	ND	U	ug/L	4.4	10	1	04/21/11 12:36	EPA 8260B	110421L01
Acetone	ND	U	ug/L	20	50	1	04/21/11 12:36	EPA 8260B	110421L01
Bromobenzene	ND	U	ug/L	0.33	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Bromochloromethane	ND	U	ug/L	0.69	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Bromoform	ND	U	ug/L	0.55	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Bromomethane	ND	U	ug/L	4.3	10	1	04/21/11 12:36	EPA 8260B	110421L01
Carbon Disulfide	ND	U	ug/L	1.9	10	1	04/21/11 12:36	EPA 8260B	110421L01
Carbon Tetrachloride	ND	U	ug/L	0.43	0.50	1	04/21/11 12:36	EPA 8260B	110421L01
Chlorobenzene	ND	U	ug/L	0.22	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Dibromochloromethane	ND	U	ug/L	0.48	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Chloroethane	ND	U	ug/L	1.3	5.0	1	04/21/11 12:36	EPA 8260B	110421L01
Chloroform	ND	U	ug/L	0.33	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Chloromethane	ND	U	ug/L	0.49	10	1	04/21/11 12:36	EPA 8260B	110421L01
Dibromomethane	ND	U	ug/L	0.59	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Bromodichloromethane	ND	U	ug/L	0.33	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Dichlorodifluoromethane	ND	U	ug/L	0.49	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Hexachloro-1,3-Butadiene	ND	U	ug/L	3.1	20	1	04/21/11 12:36	EPA 8260B	110421L01
Isopropylbenzene	ND	U	ug/L	0.23	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
2-Butanone	ND	U	ug/L	6.9	10	1	04/21/11 12:36	EPA 8260B	110421L01

Client: Cardno ERI Work Order: 11-04-1303
 4572 Telephone Road, Suite 916 Project Name: ExxonMobil Former Jalk Fee / 081155
 Ventura, CA 93003-5663 Received: 04/20/11 18:00
 Attn: Alex Fuentes

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 12 (QCTB, Aqueous) Sampled: 04/19/11 07:00									
EPA 8260B Volatile Organics + Oxygenates (Sample: 11-04-1303-12-A)									
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.									
Methylene Chloride	ND	U	ug/L	2.6	10	1	04/21/11 12:36	EPA 8260B	110421L01
2-Hexanone	ND	U	ug/L	6.9	10	1	04/21/11 12:36	EPA 8260B	110421L01
Naphthalene	ND	U	ug/L	2.5	10	1	04/21/11 12:36	EPA 8260B	110421L01
n-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
n-Propylbenzene	ND	U	ug/L	0.79	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
p-Isopropyltoluene	ND	U	ug/L	0.26	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
sec-Butylbenzene	ND	U	ug/L	0.20	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Styrene	ND	U	ug/L	0.30	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
tert-Butylbenzene	ND	U	ug/L	0.28	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Tetrachloroethene	ND	U	ug/L	0.51	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Trichloroethene	ND	U	ug/L	0.30	1.0	1	04/21/11 12:36	EPA 8260B	110421L01
Trichlorofluoromethane	ND	U	ug/L	0.31	10	1	04/21/11 12:36	EPA 8260B	110421L01
Vinyl Chloride	ND	U	ug/L	0.33	0.50	1	04/21/11 12:36	EPA 8260B	110421L01
Surr: Toluene-d8 (80-120%)	99%						04/21/11 12:36	EPA 8260B	110421L01
Surr: Dibromofluoromethane (80-126%)	96%						04/21/11 12:36	EPA 8260B	110421L01
Surr: 1,4-Bromofluorobenzene (80-120%)	101%						04/21/11 12:36	EPA 8260B	110421L01
Surr: 1,2-Dichloroethane-d4 (80-134%)	95%						04/21/11 12:36	EPA 8260B	110421L01





The difference is service

Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

Attn: Alex Fuentes

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	QC Batch	Lab Number	Analyzed Date/Time
EPA 8260B Volatile Organics + Oxygenates						
099-12-888-1,218						
Benzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Toluene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Ethylbenzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Xylenes (total)	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Methyl-t-Butyl Ether (MTBE)	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Tert-Butyl Alcohol (TBA)	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Diisopropyl Ether (DIPE)	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Ethyl-t-Butyl Ether (ETBE)	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Tert-Amyl-Methyl Ether (TAME)	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Ethanol	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,1,1,2-Tetrachloroethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,1,1-Trichloroethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,1,2,2-Tetrachloroethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,1,2-Trichloroethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,1-Dichloroethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,1-Dichloroethene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,1-Dichloropropene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,2,3-Trichlorobenzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,2,3-Trichloropropane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,2,4-Trichlorobenzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,2,4-Trimethylbenzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,3,5-Trimethylbenzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
c-1,2-Dichloroethene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,2-Dibromo-3-Chloropropane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,2-Dibromoethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,2-Dichlorobenzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,2-Dichloroethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,2-Dichloropropane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
t-1,2-Dichloroethene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
c-1,3-Dichloropropene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,3-Dichlorobenzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,3-Dichloropropane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
t-1,3-Dichloropropene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
1,4-Dichlorobenzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
2,2-Dichloropropane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
2-Chlorotoluene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
4-Chlorotoluene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
4-Methyl-2-Pentanone	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Acetone	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Bromobenzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Bromochloromethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Bromoform	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06



The difference is service

Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663
 Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00
 Attn: Alex Fuentes

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	QC Batch	Lab Number	Analyzed Date/Time
EPA 8260B Volatile Organics + Oxygenates						
099-12-888-1,218						
Bromomethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Carbon Disulfide	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Carbon Tetrachloride	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Chlorobenzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Dibromochloromethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Chloroethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Chloroform	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Chloromethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Dibromomethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Bromodichloromethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Dichlorodifluoromethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Hexachloro-1,3-Butadiene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Isopropylbenzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
2-Butanone	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Methylene Chloride	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
2-Hexanone	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Naphthalene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
n-Butylbenzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
n-Propylbenzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
p-Isopropyltoluene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
sec-Butylbenzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Styrene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
tert-Butylbenzene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Tetrachloroethene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Trichloroethene	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Trichlorofluoromethane	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Vinyl Chloride	ND	U	ug/L	110421L01	099-12-888-1,218	04/21/11 12:06
Surr: Toluene-d8 (80-120%)	99%			110421L01	099-12-888-1,218	04/21/11 12:06
Surr: Dibromofluoromethane (80-126%)	96%			110421L01	099-12-888-1,218	04/21/11 12:06
Surr: 1,4-Bromofluorobenzene (80-120%)	102%			110421L01	099-12-888-1,218	04/21/11 12:06
Surr: 1,2-Dichloroethane-d4 (80-134%)	96%			110421L01	099-12-888-1,218	04/21/11 12:06
099-12-888-1,219						
Benzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Toluene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Ethylbenzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Xylenes (total)	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Methyl-t-Butyl Ether (MTBE)	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Tert-Butyl Alcohol (TBA)	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Diisopropyl Ether (DIPE)	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Ethyl-t-Butyl Ether (ETBE)	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Tert-Amyl-Methyl Ether (TAME)	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Ethanol	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52



Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663
 Attn: Alex Fuentes

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	QC Batch	Lab Number	Analyzed Date/Time
EPA 8260B Volatile Organics + Oxygenates						
099-12-888-1,219						
1,1,1,2-Tetrachloroethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,1,1-Trichloroethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,1,2,2-Tetrachloroethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,1,2-Trichloroethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,1-Dichloroethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,1-Dichloroethene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,1-Dichloropropene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,2,3-Trichlorobenzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,2,3-Trichloropropane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,2,4-Trichlorobenzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,2,4-Trimethylbenzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,3,5-Trimethylbenzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
c-1,2-Dichloroethene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,2-Dibromo-3-Chloropropane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,2-Dibromoethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,2-Dichlorobenzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,2-Dichloroethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,2-Dichloropropane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
t-1,2-Dichloroethene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
c-1,3-Dichloropropene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,3-Dichlorobenzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,3-Dichloropropane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
t-1,3-Dichloropropene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
1,4-Dichlorobenzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
2,2-Dichloropropane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
2-Chlorotoluene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
4-Chlorotoluene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
4-Methyl-2-Pentanone	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Acetone	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Bromobenzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Bromochloromethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Bromoform	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Bromomethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Carbon Disulfide	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Carbon Tetrachloride	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Chlorobenzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Dibromochloromethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Chloroethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Chloroform	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Chloromethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Dibromomethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Bromodichloromethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52





The difference is service

Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663
 Attn: Alex Fuentes

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	QC Batch	Lab Number	Analyzed Date/Time
EPA 8260B Volatile Organics + Oxygenates						
099-12-888-1,219						
Dichlorodifluoromethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Hexachloro-1,3-Butadiene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Isopropylbenzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
2-Butanone	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Methylene Chloride	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
2-Hexanone	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Naphthalene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
n-Butylbenzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
n-Propylbenzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
p-Isopropyltoluene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
sec-Butylbenzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Styrene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
tert-Butylbenzene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Tetrachloroethene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Trichloroethene	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Trichlorofluoromethane	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Vinyl Chloride	ND	U	ug/L	110421L04	099-12-888-1,219	04/21/11 23:52
Surr: Toluene-d8 (80-120%)	99%			110421L04	099-12-888-1,219	04/21/11 23:52
Surr: Dibromofluoromethane (80-126%)	97%			110421L04	099-12-888-1,219	04/21/11 23:52
Surr: 1,4-Bromofluorobenzene (80-120%)	102%			110421L04	099-12-888-1,219	04/21/11 23:52
Surr: 1,2-Dichloroethane-d4 (80-134%)	96%			110421L04	099-12-888-1,219	04/21/11 23:52
099-12-888-1,220						
Benzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Toluene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Ethylbenzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Xylenes (total)	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Methyl-t-Butyl Ether (MTBE)	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Tert-Butyl Alcohol (TBA)	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Diisopropyl Ether (DIPE)	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Ethyl-t-Butyl Ether (ETBE)	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Tert-Amyl-Methyl Ether (TAME)	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Ethanol	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,1,1,2-Tetrachloroethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,1,1-Trichloroethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,1,2,2-Tetrachloroethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,1,2-Trichloroethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,1-Dichloroethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,1-Dichloroethene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,1-Dichloropropene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,2,3-Trichlorobenzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,2,3-Trichloropropane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02



Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663
 Attn: Alex Fuentes

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	QC Batch	Lab Number	Analyzed Date/Time
EPA 8260B Volatile Organics + Oxygenates						
099-12-888-1,220						
1,2,4-Trichlorobenzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,2,4-Trimethylbenzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,3,5-Trimethylbenzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
c-1,2-Dichloroethene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,2-Dibromo-3-Chloropropane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,2-Dibromoethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,2-Dichlorobenzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,2-Dichloroethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,2-Dichloropropane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
t-1,2-Dichloroethene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
c-1,3-Dichloropropene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,3-Dichlorobenzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,3-Dichloropropane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
t-1,3-Dichloropropene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
1,4-Dichlorobenzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
2,2-Dichloropropane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
2-Chlorotoluene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
4-Chlorotoluene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
4-Methyl-2-Pentanone	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Acetone	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Bromobenzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Bromochloromethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Bromoform	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Bromomethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Carbon Disulfide	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Carbon Tetrachloride	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Chlorobenzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Dibromochloromethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Chloroethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Chloroform	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Chloromethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Dibromomethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Bromodichloromethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Dichlorodifluoromethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Hexachloro-1,3-Butadiene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Isopropylbenzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
2-Butanone	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Methylene Chloride	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
2-Hexanone	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Naphthalene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
n-Butylbenzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
n-Propylbenzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
p-Isopropyltoluene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02



Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663
 Attn: Alex Fuentes

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	QC Batch	Lab Number	Analyzed Date/Time
EPA 8260B Volatile Organics + Oxygenates						
099-12-888-1,220						
sec-Butylbenzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Styrene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
tert-Butylbenzene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Tetrachloroethene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Trichloroethene	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Trichlorofluoromethane	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Vinyl Chloride	ND	U	ug/L	110422L02	099-12-888-1,220	04/23/11 00:02
Surr: Toluene-d8 (80-120%)	100%			110422L02	099-12-888-1,220	04/23/11 00:02
Surr: Dibromofluoromethane (80-126%)	95%			110422L02	099-12-888-1,220	04/23/11 00:02
Surr: 1,4-Bromofluorobenzene (80-120%)	100%			110422L02	099-12-888-1,220	04/23/11 00:02
Surr: 1,2-Dichloroethane-d4 (80-134%)	95%			110422L02	099-12-888-1,220	04/23/11 00:02



The difference is service

Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val.	Q	Units	Spike Conc.	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
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EPA 8260B VOC Oxygenates and BTEX

11-04-1311-2

Benzene	ND	47.44		ug/L	50.00	95	78-120	110421S02	11-04-1311-2	04/22/11 01:47
Toluene	ND	48.69		ug/L	50.00	97	72-126	110421S02	11-04-1311-2	04/22/11 01:47
Ethylbenzene	ND	47.69		ug/L	50.00	95	73-127	110421S02	11-04-1311-2	04/22/11 01:47
Methyl-t-Butyl Ether (MTBE)	ND	46.85		ug/L	50.00	94	69-123	110421S02	11-04-1311-2	04/22/11 01:47
Tert-Butyl Alcohol (TBA)	11.29	291.2		ug/L	250.0	112	65-131	110421S02	11-04-1311-2	04/22/11 01:47
Diisopropyl Ether (DIPE)	ND	47.60		ug/L	50.00	95	68-128	110421S02	11-04-1311-2	04/22/11 01:47
Ethyl-t-Butyl Ether (ETBE)	ND	50.09		ug/L	50.00	100	69-123	110421S02	11-04-1311-2	04/22/11 01:47
Tert-Amyl-Methyl Ether (TAME)	ND	47.40		ug/L	50.00	95	70-124	110421S02	11-04-1311-2	04/22/11 01:47
Ethanol	ND	542.2		ug/L	500.0	108	41-155	110421S02	11-04-1311-2	04/22/11 01:47
1,1-Dichloroethene	ND	46.08		ug/L	50.00	92	70-130	110421S02	11-04-1311-2	04/22/11 01:47
1,2-Dibromoethane	ND	45.74		ug/L	50.00	91	80-123	110421S02	11-04-1311-2	04/22/11 01:47
1,2-Dichlorobenzene	ND	44.93		ug/L	50.00	90	76-120	110421S02	11-04-1311-2	04/22/11 01:47
1,2-Dichloroethane	ND	48.42		ug/L	50.00	97	76-130	110421S02	11-04-1311-2	04/22/11 01:47
Carbon Tetrachloride	ND	49.57		ug/L	50.00	99	67-139	110421S02	11-04-1311-2	04/22/11 01:47
Chlorobenzene	ND	47.55		ug/L	50.00	95	80-120	110421S02	11-04-1311-2	04/22/11 01:47
Trichloroethene	ND	47.16		ug/L	50.00	94	74-122	110421S02	11-04-1311-2	04/22/11 01:47
Vinyl Chloride	ND	50.22		ug/L	50.00	100	65-131	110421S02	11-04-1311-2	04/22/11 01:47

EPA 8260B Volatile Organics + Oxygenates

11-04-1303-1

Benzene	ND	48.26		ug/L	50.00	97	78-120	110421S01	11-04-1303-1	04/21/11 13:35
Toluene	ND	49.48		ug/L	50.00	99	72-126	110421S01	11-04-1303-1	04/21/11 13:35
Ethylbenzene	ND	49.88		ug/L	50.00	100	73-127	110421S01	11-04-1303-1	04/21/11 13:35
Methyl-t-Butyl Ether (MTBE)	ND	48.20		ug/L	50.00	96	69-123	110421S01	11-04-1303-1	04/21/11 13:35
Tert-Butyl Alcohol (TBA)	ND	250.6		ug/L	250.0	100	65-131	110421S01	11-04-1303-1	04/21/11 13:35
Diisopropyl Ether (DIPE)	ND	47.58		ug/L	50.00	95	68-128	110421S01	11-04-1303-1	04/21/11 13:35
Ethyl-t-Butyl Ether (ETBE)	ND	50.36		ug/L	50.00	101	69-123	110421S01	11-04-1303-1	04/21/11 13:35
Tert-Amyl-Methyl Ether (TAME)	ND	47.69		ug/L	50.00	95	70-124	110421S01	11-04-1303-1	04/21/11 13:35
Ethanol	ND	525.7		ug/L	500.0	105	41-155	110421S01	11-04-1303-1	04/21/11 13:35
1,1-Dichloroethene	68.07	117.0		ug/L	50.00	98	70-130	110421S01	11-04-1303-1	04/21/11 13:35
1,2-Dibromoethane	ND	46.96		ug/L	50.00	94	80-123	110421S01	11-04-1303-1	04/21/11 13:35
1,2-Dichlorobenzene	ND	47.36		ug/L	50.00	95	76-120	110421S01	11-04-1303-1	04/21/11 13:35
1,2-Dichloroethane	3.323	51.80		ug/L	50.00	97	76-130	110421S01	11-04-1303-1	04/21/11 13:35
Carbon Tetrachloride	ND	51.77		ug/L	50.00	104	67-139	110421S01	11-04-1303-1	04/21/11 13:35
Chlorobenzene	ND	49.03		ug/L	50.00	98	80-120	110421S01	11-04-1303-1	04/21/11 13:35
Trichloroethene	78.20	107.2	3	ug/L	50.00	58	74-122	110421S01	11-04-1303-1	04/21/11 13:35
Vinyl Chloride	ND	49.96		ug/L	50.00	100	65-131	110421S01	11-04-1303-1	04/21/11 13:35

11-04-1303-6

Benzene	ND	45.32		ug/L	50.00	91	78-120	110422S01	11-04-1303-6	04/23/11 01:00
Toluene	3.706	49.91		ug/L	50.00	92	72-126	110422S01	11-04-1303-6	04/23/11 01:00
Ethylbenzene	ND	47.28		ug/L	50.00	95	73-127	110422S01	11-04-1303-6	04/23/11 01:00
Methyl-t-Butyl Ether (MTBE)	ND	44.64		ug/L	50.00	89	69-123	110422S01	11-04-1303-6	04/23/11 01:00



Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val.	Q	Units	Spike Conc.	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
EPA 8260B Volatile Organics + Oxygenates										
Tert-Butyl Alcohol (TBA)	12.90	269.9	3,4	ug/L	250.0	103	65-131	110422S01	11-04-1303-6	04/23/11 01:00
Diisopropyl Ether (DIPE)	ND	44.74		ug/L	50.00	89	68-128	110422S01	11-04-1303-6	04/23/11 01:00
Ethyl-t-Butyl Ether (ETBE)	ND	46.32		ug/L	50.00	93	69-123	110422S01	11-04-1303-6	04/23/11 01:00
Tert-Amyl-Methyl Ether (TAME)	ND	44.53		ug/L	50.00	89	70-124	110422S01	11-04-1303-6	04/23/11 01:00
Ethanol	ND	507.4		ug/L	500.0	101	41-155	110422S01	11-04-1303-6	04/23/11 01:00
1,1-Dichloroethene	70.32	104.3	3	ug/L	50.00	68	70-130	110422S01	11-04-1303-6	04/23/11 01:00
1,2-Dibromoethane	ND	45.11		ug/L	50.00	90	80-123	110422S01	11-04-1303-6	04/23/11 01:00
1,2-Dichlorobenzene	ND	44.98		ug/L	50.00	90	76-120	110422S01	11-04-1303-6	04/23/11 01:00
1,2-Dichloroethane	2.973	47.55		ug/L	50.00	89	76-130	110422S01	11-04-1303-6	04/23/11 01:00
Carbon Tetrachloride	ND	47.80		ug/L	50.00	96	67-139	110422S01	11-04-1303-6	04/23/11 01:00
Chlorobenzene	ND	46.53		ug/L	50.00	93	80-120	110422S01	11-04-1303-6	04/23/11 01:00
Trichloroethene	72.77	110.1		ug/L	50.00	75	74-122	110422S01	11-04-1303-6	04/23/11 01:00
Vinyl Chloride	0.6051	47.54		ug/L	50.00	94	65-131	110422S01	11-04-1303-6	04/23/11 01:00



The difference is service

Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig Val.	Duplicate	Q	Units	Spike Conc.	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
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EPA 8260B VOC Oxygenates and BTEX

11-04-1311-2

Benzene	ND	45.22		ug/L	50.00	90	78-120	5	0-20	110421S02	11-04-1311-2	04/22/11 02:16
Toluene	ND	46.65		ug/L	50.00	93	72-126	4	0-20	110421S02	11-04-1311-2	04/22/11 02:16
Ethylbenzene	ND	46.24		ug/L	50.00	92	73-127	3	0-20	110421S02	11-04-1311-2	04/22/11 02:16
Methyl-t-Butyl Ether (MTBE)	ND	47.25		ug/L	50.00	95	69-123	1	0-20	110421S02	11-04-1311-2	04/22/11 02:16
Tert-Butyl Alcohol (TBA)	11.29	328.0		ug/L	250.0	127	65-131	12	0-22	110421S02	11-04-1311-2	04/22/11 02:16
Diisopropyl Ether (DIPE)	ND	46.19		ug/L	50.00	92	68-128	3	0-22	110421S02	11-04-1311-2	04/22/11 02:16
Ethyl-t-Butyl Ether (ETBE)	ND	49.07		ug/L	50.00	98	69-123	2	0-21	110421S02	11-04-1311-2	04/22/11 02:16
Tert-Amyl-Methyl Ether (TAME)	ND	45.55		ug/L	50.00	91	70-124	4	0-20	110421S02	11-04-1311-2	04/22/11 02:16
Ethanol	ND	530.0		ug/L	500.0	106	41-155	2	0-35	110421S02	11-04-1311-2	04/22/11 02:16
1,1-Dichloroethene	ND	43.80		ug/L	50.00	88	70-130	5	0-27	110421S02	11-04-1311-2	04/22/11 02:16
1,2-Dibromoethane	ND	45.44		ug/L	50.00	91	80-123	1	0-20	110421S02	11-04-1311-2	04/22/11 02:16
1,2-Dichlorobenzene	ND	43.70		ug/L	50.00	87	76-120	3	0-20	110421S02	11-04-1311-2	04/22/11 02:16
1,2-Dichloroethane	ND	46.27		ug/L	50.00	93	76-130	5	0-20	110421S02	11-04-1311-2	04/22/11 02:16
Carbon Tetrachloride	ND	47.70		ug/L	50.00	95	67-139	4	0-20	110421S02	11-04-1311-2	04/22/11 02:16
Chlorobenzene	ND	46.28		ug/L	50.00	93	80-120	3	0-20	110421S02	11-04-1311-2	04/22/11 02:16
Trichloroethene	ND	44.93		ug/L	50.00	90	74-122	5	0-20	110421S02	11-04-1311-2	04/22/11 02:16
Vinyl Chloride	ND	46.77		ug/L	50.00	94	65-131	7	0-24	110421S02	11-04-1311-2	04/22/11 02:16

EPA 8260B Volatile Organics + Oxygenates

11-04-1303-1

Benzene	ND	47.62		ug/L	50.00	95	78-120	1	0-20	110421S01	11-04-1303-1	04/21/11 14:04
Toluene	ND	49.03		ug/L	50.00	98	72-126	1	0-20	110421S01	11-04-1303-1	04/21/11 14:04
Ethylbenzene	ND	49.64		ug/L	50.00	99	73-127	0	0-20	110421S01	11-04-1303-1	04/21/11 14:04
Methyl-t-Butyl Ether (MTBE)	ND	47.30		ug/L	50.00	95	69-123	2	0-20	110421S01	11-04-1303-1	04/21/11 14:04
Tert-Butyl Alcohol (TBA)	ND	251.7		ug/L	250.0	101	65-131	0	0-22	110421S01	11-04-1303-1	04/21/11 14:04
Diisopropyl Ether (DIPE)	ND	47.13		ug/L	50.00	94	68-128	1	0-22	110421S01	11-04-1303-1	04/21/11 14:04
Ethyl-t-Butyl Ether (ETBE)	ND	50.08		ug/L	50.00	100	69-123	1	0-21	110421S01	11-04-1303-1	04/21/11 14:04
Tert-Amyl-Methyl Ether (TAME)	ND	46.90		ug/L	50.00	94	70-124	2	0-20	110421S01	11-04-1303-1	04/21/11 14:04
Ethanol	ND	526.6		ug/L	500.0	105	41-155	0	0-35	110421S01	11-04-1303-1	04/21/11 14:04
1,1-Dichloroethene	68.07	117.1		ug/L	50.00	98	70-130	0	0-27	110421S01	11-04-1303-1	04/21/11 14:04
1,2-Dibromoethane	ND	46.89		ug/L	50.00	94	80-123	0	0-20	110421S01	11-04-1303-1	04/21/11 14:04
1,2-Dichlorobenzene	ND	47.35		ug/L	50.00	95	76-120	0	0-20	110421S01	11-04-1303-1	04/21/11 14:04
1,2-Dichloroethane	3.323	50.48		ug/L	50.00	94	76-130	3	0-20	110421S01	11-04-1303-1	04/21/11 14:04
Carbon Tetrachloride	ND	51.15		ug/L	50.00	102	67-139	1	0-20	110421S01	11-04-1303-1	04/21/11 14:04
Chlorobenzene	ND	48.52		ug/L	50.00	97	80-120	1	0-20	110421S01	11-04-1303-1	04/21/11 14:04
Trichloroethene	78.20	105.3	3	ug/L	50.00	54	74-122	2	0-20	110421S01	11-04-1303-1	04/21/11 14:04
Vinyl Chloride	ND	50.23		ug/L	50.00	100	65-131	1	0-24	110421S01	11-04-1303-1	04/21/11 14:04

11-04-1303-6

Benzene	ND	46.16		ug/L	50.00	92	78-120	2	0-20	110422S01	11-04-1303-6	04/23/11 01:29
Toluene	3.706	51.31		ug/L	50.00	95	72-126	3	0-20	110422S01	11-04-1303-6	04/23/11 01:29





The difference is service

Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig Val.	Duplicate	Q	Units	Spike Conc.	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
EPA 8260B Volatile Organics + Oxygenates												
Ethylbenzene	ND	48.41		ug/L	50.00	97	73-127	2	0-20	110422S01	11-04-1303-6	04/23/11 01:29
Methyl-t-Butyl Ether (MTBE)	ND	45.67		ug/L	50.00	91	69-123	2	0-20	110422S01	11-04-1303-6	04/23/11 01:29
Tert-Butyl Alcohol (TBA)	12.90	347.0	3,4	ug/L	250.0	134	65-131	25	0-22	110422S01	11-04-1303-6	04/23/11 01:29
Diisopropyl Ether (DIPE)	ND	45.56		ug/L	50.00	91	68-128	2	0-22	110422S01	11-04-1303-6	04/23/11 01:29
Ethyl-t-Butyl Ether (ETBE)	ND	47.00		ug/L	50.00	94	69-123	1	0-21	110422S01	11-04-1303-6	04/23/11 01:29
Tert-Amyl-Methyl Ether (TAME)	ND	45.62		ug/L	50.00	91	70-124	2	0-20	110422S01	11-04-1303-6	04/23/11 01:29
Ethanol	ND	523.2		ug/L	500.0	105	41-155	3	0-35	110422S01	11-04-1303-6	04/23/11 01:29
1,1-Dichloroethene	70.32	106.6	3	ug/L	50.00	73	70-130	2	0-27	110422S01	11-04-1303-6	04/23/11 01:29
1,2-Dibromoethane	ND	45.99		ug/L	50.00	92	80-123	2	0-20	110422S01	11-04-1303-6	04/23/11 01:29
1,2-Dichlorobenzene	ND	44.59		ug/L	50.00	89	76-120	1	0-20	110422S01	11-04-1303-6	04/23/11 01:29
1,2-Dichloroethane	2.973	48.46		ug/L	50.00	91	76-130	2	0-20	110422S01	11-04-1303-6	04/23/11 01:29
Carbon Tetrachloride	ND	47.04		ug/L	50.00	94	67-139	2	0-20	110422S01	11-04-1303-6	04/23/11 01:29
Chlorobenzene	ND	47.08		ug/L	50.00	94	80-120	1	0-20	110422S01	11-04-1303-6	04/23/11 01:29
Trichloroethene	72.77	112.6		ug/L	50.00	80	74-122	2	0-20	110422S01	11-04-1303-6	04/23/11 01:29
Vinyl Chloride	0.6051	47.81		ug/L	50.00	94	65-131	1	0-24	110422S01	11-04-1303-6	04/23/11 01:29





The difference is service

Client: Cardno ERI
4572 Telephone Road, Suite 916
Ventura, CA 93003-5663

Work Order: 11-04-1303
Project Name: ExxonMobil Former Jalk Fee / 081155
Received: 04/20/11 18:00

**PROJECT QUALITY CONTROL DATA
LCS**

Analyte	Known Val.	Analyzed	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
EPA 8260B Volatile Organics + Oxygenates								
099-12-888-1,218								
Benzene	50.00	48.67		ug/L	97	80-120	110421L01	04/21/11 10:37
Toluene	50.00	49.96		ug/L	100	79-121	110421L01	04/21/11 10:37
Ethylbenzene	50.00	49.37		ug/L	99	80-123	110421L01	04/21/11 10:37
Methyl-t-Butyl Ether (MTBE)	50.00	49.19		ug/L	98	72-126	110421L01	04/21/11 10:37
Tert-Butyl Alcohol (TBA)	250.0	252.4		ug/L	101	71-125	110421L01	04/21/11 10:37
Diisopropyl Ether (DIPE)	50.00	48.42		ug/L	97	69-129	110421L01	04/21/11 10:37
Ethyl-t-Butyl Ether (ETBE)	50.00	51.88		ug/L	104	69-129	110421L01	04/21/11 10:37
Tert-Amyl-Methyl Ether (TAME)	50.00	48.84		ug/L	98	67-133	110421L01	04/21/11 10:37
Ethanol	500.0	516.9		ug/L	103	47-155	110421L01	04/21/11 10:37
1,1-Dichloroethene	50.00	47.32		ug/L	95	71-131	110421L01	04/21/11 10:37
1,2-Dibromoethane	50.00	47.06		ug/L	94	80-120	110421L01	04/21/11 10:37
1,2-Dichlorobenzene	50.00	47.71		ug/L	95	80-120	110421L01	04/21/11 10:37
1,2-Dichloroethane	50.00	49.58		ug/L	99	80-129	110421L01	04/21/11 10:37
Carbon Tetrachloride	50.00	51.69		ug/L	103	66-138	110421L01	04/21/11 10:37
Chlorobenzene	50.00	49.53		ug/L	99	80-120	110421L01	04/21/11 10:37
Trichloroethene	50.00	49.87		ug/L	100	80-120	110421L01	04/21/11 10:37
Vinyl Chloride	50.00	51.45		ug/L	103	70-136	110421L01	04/21/11 10:37

Total number of LCS compounds: 17
 Total number of ME compounds: 0
 Total number of ME compound allowed: 1
 LCS ME CL validation result: Pass





The difference is service

Client: Cardno ERI
4572 Telephone Road, Suite 916
Ventura, CA 93003-5663

Work Order: 11-04-1303
Project Name: ExxonMobil Former Jalk Fee / 081155
Received: 04/20/11 18:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
EPA 8260B Volatile Organics + Oxygenates								
099-12-888-1,219								
Benzene	50.00	46.68		ug/L	93	80-120	110421L04	04/21/11 22:25
Toluene	50.00	48.32		ug/L	97	79-121	110421L04	04/21/11 22:25
Ethylbenzene	50.00	47.34		ug/L	95	80-123	110421L04	04/21/11 22:25
Methyl-t-Butyl Ether (MTBE)	50.00	47.67		ug/L	95	72-126	110421L04	04/21/11 22:25
Tert-Butyl Alcohol (TBA)	250.0	254.6		ug/L	102	71-125	110421L04	04/21/11 22:25
Diisopropyl Ether (DIPE)	50.00	47.22		ug/L	94	69-129	110421L04	04/21/11 22:25
Ethyl-t-Butyl Ether (ETBE)	50.00	50.06		ug/L	100	69-129	110421L04	04/21/11 22:25
Tert-Amyl-Methyl Ether (TAME)	50.00	47.52		ug/L	95	67-133	110421L04	04/21/11 22:25
Ethanol	500.0	545.0		ug/L	109	47-155	110421L04	04/21/11 22:25
1,1-Dichloroethene	50.00	44.96		ug/L	90	71-131	110421L04	04/21/11 22:25
1,2-Dibromoethane	50.00	45.82		ug/L	92	80-120	110421L04	04/21/11 22:25
1,2-Dichlorobenzene	50.00	45.23		ug/L	90	80-120	110421L04	04/21/11 22:25
1,2-Dichloroethane	50.00	47.88		ug/L	96	80-129	110421L04	04/21/11 22:25
Carbon Tetrachloride	50.00	48.64		ug/L	97	66-138	110421L04	04/21/11 22:25
Chlorobenzene	50.00	47.22		ug/L	94	80-120	110421L04	04/21/11 22:25
Trichloroethene	50.00	47.50		ug/L	95	80-120	110421L04	04/21/11 22:25
Vinyl Chloride	50.00	48.97		ug/L	98	70-136	110421L04	04/21/11 22:25

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compound allowed: 1
LCS ME CL validation result: Pass



Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
EPA 8260B Volatile Organics + Oxygenates								
099-12-888-1,220								
Benzene	50.00	45.50		ug/L	91	80-120	110422L02	04/22/11 22:35
Toluene	50.00	47.31		ug/L	95	79-121	110422L02	04/22/11 22:35
Ethylbenzene	50.00	46.87		ug/L	94	80-123	110422L02	04/22/11 22:35
Methyl-t-Butyl Ether (MTBE)	50.00	46.12		ug/L	92	72-126	110422L02	04/22/11 22:35
Tert-Butyl Alcohol (TBA)	250.0	228.5		ug/L	91	71-125	110422L02	04/22/11 22:35
Diisopropyl Ether (DIPE)	50.00	45.73		ug/L	91	69-129	110422L02	04/22/11 22:35
Ethyl-t-Butyl Ether (ETBE)	50.00	48.15		ug/L	96	69-129	110422L02	04/22/11 22:35
Tert-Amyl-Methyl Ether (TAME)	50.00	47.04		ug/L	94	67-133	110422L02	04/22/11 22:35
Ethanol	500.0	516.6		ug/L	103	47-155	110422L02	04/22/11 22:35
1,1-Dichloroethene	50.00	42.82		ug/L	86	71-131	110422L02	04/22/11 22:35
1,2-Dibromoethane	50.00	45.91		ug/L	92	80-120	110422L02	04/22/11 22:35
1,2-Dichlorobenzene	50.00	43.76		ug/L	88	80-120	110422L02	04/22/11 22:35
1,2-Dichloroethane	50.00	45.73		ug/L	91	80-129	110422L02	04/22/11 22:35
Carbon Tetrachloride	50.00	46.69		ug/L	93	66-138	110422L02	04/22/11 22:35
Chlorobenzene	50.00	46.48		ug/L	93	80-120	110422L02	04/22/11 22:35
Trichloroethene	50.00	47.85		ug/L	96	80-120	110422L02	04/22/11 22:35
Vinyl Chloride	50.00	46.02		ug/L	92	70-136	110422L02	04/22/11 22:35

Total number of LCS compounds: 17
 Total number of ME compounds: 0
 Total number of ME compound allowed: 1
 LCS ME CL validation result: Pass





The difference is service

Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

PROJECT QUALITY CONTROL DATA
LCS Dup

Analyte	LCS Val.	Duplicate	Q	Units	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
EPA 8260B Volatile Organics + Oxygenates											
099-12-888-1,218											
Benzene	50.00	47.72		ug/L	95	80-120	2	0-20	110421L01	099-12-888-1,218	04/21/11 11:06
Toluene	50.00	49.59		ug/L	99	79-121	1	0-20	110421L01	099-12-888-1,218	04/21/11 11:06
Ethylbenzene	50.00	49.01		ug/L	98	80-123	1	0-20	110421L01	099-12-888-1,218	04/21/11 11:06
Methyl-t-Butyl Ether (MTBE)	50.00	47.94		ug/L	96	72-126	3	0-22	110421L01	099-12-888-1,218	04/21/11 11:06
Tert-Butyl Alcohol (TBA)	250.0	243.4		ug/L	97	71-125	4	0-25	110421L01	099-12-888-1,218	04/21/11 11:06
Diisopropyl Ether (DIPE)	50.00	47.56		ug/L	95	69-129	2	0-20	110421L01	099-12-888-1,218	04/21/11 11:06
Ethyl-t-Butyl Ether (ETBE)	50.00	50.49		ug/L	101	69-129	3	0-20	110421L01	099-12-888-1,218	04/21/11 11:06
Tert-Amyl-Methyl Ether (TAME)	50.00	47.34		ug/L	95	67-133	3	0-20	110421L01	099-12-888-1,218	04/21/11 11:06
Ethanol	500.0	500.3		ug/L	100	47-155	3	0-36	110421L01	099-12-888-1,218	04/21/11 11:06
1,1-Dichloroethene	50.00	46.77		ug/L	94	71-131	1	0-20	110421L01	099-12-888-1,218	04/21/11 11:06
1,2-Dibromoethane	50.00	46.72		ug/L	93	80-120	1	0-20	110421L01	099-12-888-1,218	04/21/11 11:06
1,2-Dichlorobenzene	50.00	47.73		ug/L	95	80-120	0	0-20	110421L01	099-12-888-1,218	04/21/11 11:06
1,2-Dichloroethane	50.00	48.39		ug/L	97	80-129	2	0-20	110421L01	099-12-888-1,218	04/21/11 11:06
Carbon Tetrachloride	50.00	50.84		ug/L	102	66-138	2	0-20	110421L01	099-12-888-1,218	04/21/11 11:06
Chlorobenzene	50.00	48.85		ug/L	98	80-120	1	0-20	110421L01	099-12-888-1,218	04/21/11 11:06
Trichloroethene	50.00	49.12		ug/L	98	80-120	2	0-20	110421L01	099-12-888-1,218	04/21/11 11:06
Vinyl Chloride	50.00	50.04		ug/L	100	70-136	3	0-20	110421L01	099-12-888-1,218	04/21/11 11:06

Total number of LCS compounds: 17
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass

099-12-888-1,219





The difference is service

Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

PROJECT QUALITY CONTROL DATA
LCS Dup

Analyte	LCS Val.	Duplicate	Q	Units	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
EPA 8260B Volatile Organics + Oxygenates											
Benzene	50.00	46.52		ug/L	93	80-120	0	0-20	110421L04	099-12-888-1,219	04/21/11 22:54
Toluene	50.00	48.26		ug/L	97	79-121	0	0-20	110421L04	099-12-888-1,219	04/21/11 22:54
Ethylbenzene	50.00	47.70		ug/L	95	80-123	1	0-20	110421L04	099-12-888-1,219	04/21/11 22:54
Methyl-t-Butyl Ether (MTBE)	50.00	48.38		ug/L	97	72-126	1	0-22	110421L04	099-12-888-1,219	04/21/11 22:54
Tert-Butyl Alcohol (TBA)	250.0	249.8		ug/L	100	71-125	2	0-25	110421L04	099-12-888-1,219	04/21/11 22:54
Diisopropyl Ether (DIPE)	50.00	47.27		ug/L	95	69-129	0	0-20	110421L04	099-12-888-1,219	04/21/11 22:54
Ethyl-t-Butyl Ether (ETBE)	50.00	50.45		ug/L	101	69-129	1	0-20	110421L04	099-12-888-1,219	04/21/11 22:54
Tert-Amyl-Methyl Ether (TAME)	50.00	47.34		ug/L	95	67-133	0	0-20	110421L04	099-12-888-1,219	04/21/11 22:54
Ethanol	500.0	514.5		ug/L	103	47-155	6	0-36	110421L04	099-12-888-1,219	04/21/11 22:54
1,1-Dichloroethene	50.00	45.11		ug/L	90	71-131	0	0-20	110421L04	099-12-888-1,219	04/21/11 22:54
1,2-Dibromoethane	50.00	46.28		ug/L	93	80-120	1	0-20	110421L04	099-12-888-1,219	04/21/11 22:54
1,2-Dichlorobenzene	50.00	45.51		ug/L	91	80-120	1	0-20	110421L04	099-12-888-1,219	04/21/11 22:54
1,2-Dichloroethane	50.00	47.48		ug/L	95	80-129	1	0-20	110421L04	099-12-888-1,219	04/21/11 22:54
Carbon Tetrachloride	50.00	49.17		ug/L	98	66-138	1	0-20	110421L04	099-12-888-1,219	04/21/11 22:54
Chlorobenzene	50.00	47.62		ug/L	95	80-120	1	0-20	110421L04	099-12-888-1,219	04/21/11 22:54
Trichloroethene	50.00	47.34		ug/L	95	80-120	0	0-20	110421L04	099-12-888-1,219	04/21/11 22:54
Vinyl Chloride	50.00	49.10		ug/L	98	70-136	0	0-20	110421L04	099-12-888-1,219	04/21/11 22:54

Total number of LCS compounds: 17
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass

099-12-888-1,220

Benzene	50.00	47.93	ug/L	96	80-120	5	0-20	110422L02	099-12-888-1,220	04/22/11 23:04
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Client: Cardno ERI
 4572 Telephone Road, Suite 916
 Ventura, CA 93003-5663

Work Order: 11-04-1303
 Project Name: ExxonMobil Former Jalk Fee / 081155
 Received: 04/20/11 18:00

PROJECT QUALITY CONTROL DATA
LCS Dup

Analyte	LCS Val.	Duplicate	Q	Units	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
EPA 8260B Volatile Organics + Oxygenates											
Toluene	50.00	50.09		ug/L	100	79-121	6	0-20	110422L02	099-12-888-1,220	04/22/11 23:04
Ethylbenzene	50.00	49.64		ug/L	99	80-123	6	0-20	110422L02	099-12-888-1,220	04/22/11 23:04
Methyl-t-Butyl Ether (MTBE)	50.00	47.59		ug/L	95	72-126	3	0-22	110422L02	099-12-888-1,220	04/22/11 23:04
Tert-Butyl Alcohol (TBA)	250.0	243.2		ug/L	97	71-125	6	0-25	110422L02	099-12-888-1,220	04/22/11 23:04
Diisopropyl Ether (DIPE)	50.00	49.29		ug/L	99	69-129	7	0-20	110422L02	099-12-888-1,220	04/22/11 23:04
Ethyl-t-Butyl Ether (ETBE)	50.00	51.07		ug/L	102	69-129	6	0-20	110422L02	099-12-888-1,220	04/22/11 23:04
Tert-Amyl-Methyl Ether (TAME)	50.00	49.08		ug/L	98	67-133	4	0-20	110422L02	099-12-888-1,220	04/22/11 23:04
Ethanol	500.0	563.5		ug/L	113	47-155	9	0-36	110422L02	099-12-888-1,220	04/22/11 23:04
1,1-Dichloroethene	50.00	46.15		ug/L	92	71-131	7	0-20	110422L02	099-12-888-1,220	04/22/11 23:04
1,2-Dibromoethane	50.00	48.39		ug/L	97	80-120	5	0-20	110422L02	099-12-888-1,220	04/22/11 23:04
1,2-Dichlorobenzene	50.00	47.04		ug/L	94	80-120	7	0-20	110422L02	099-12-888-1,220	04/22/11 23:04
1,2-Dichloroethane	50.00	48.37		ug/L	97	80-129	6	0-20	110422L02	099-12-888-1,220	04/22/11 23:04
Carbon Tetrachloride	50.00	50.15		ug/L	100	66-138	7	0-20	110422L02	099-12-888-1,220	04/22/11 23:04
Chlorobenzene	50.00	48.95		ug/L	98	80-120	5	0-20	110422L02	099-12-888-1,220	04/22/11 23:04
Trichloroethene	50.00	49.14		ug/L	98	80-120	3	0-20	110422L02	099-12-888-1,220	04/22/11 23:04
Vinyl Chloride	50.00	49.13		ug/L	98	70-136	7	0-20	110422L02	099-12-888-1,220	04/22/11 23:04

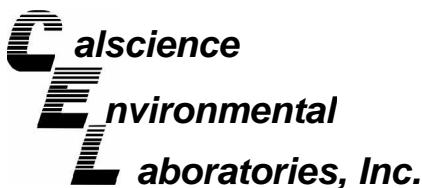
Total number of LCS compounds: 17

Total number of ME compounds: 0

Total number of ME compounds allowed: 1

LCS ME CL validation result: Pass





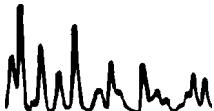
Glossary of Terms and Qualifiers



Work Order Number: 11-04-1303

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS recovery percentage is within LCS ME control limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
QO	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
U	Undetected at detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.



**Calscience
Environmental
Laboratories, Inc.**

Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil
(1303)

Consultant Name: Cardno ERI

Consultant Address: 4572 Telephone Road, Suite 916

Consultant City/State/Zip: Ventura, CA 93003

ExxonMobil Project Mgr: Mahesh Vidyasagar

Consultant Project Mgr: James Anderson

Consultant Telephone Number: (805) 644-4157 x 181802

Fax No.: (805) 644-5610

Sampler Name (Print): *Alexander Fuentes*

Sampler Signature: *Alexander Fuentes*

Account #: N/A

PO#:

page 1 of 2

Invoice To: Mahesh Vidyasagar

Report To: Alex Fuentes

ERI Project #/Activity #: 081115513

ExxonMobil Site #: Former Jalk Fee

AFF #: OA2011.50139

Site Address: 10607 Nonwalk Blvd.

Site City, State, Zip: Santa Fe Springs, CA 90670

Sample ID	Field Point Name/ Location ID	Date Sampled	Time Sampled	No. of Containers Shipped	Matrix	Preservative	Analyzer For:	Oversight Agency: CRWQCB-LAR		
								RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT
1 W- 97 -MMW-04	MMW-04	4/19/11	1540	6	X				X	
2 W- 97 -MMW-05	MMW-05	4/19/11	1510	6	X				X	
3 W- 98 -MW6A	MW6A	4/19/11	1950	6	X				X	
4 W- 103 -MW6B	MW6B	4/19/11	1415	6	X				X	
5 W- 103 -MW6C	MW6C	4/19/11	1476	6	X				X	
6 W- 98 -MW7A	MW7A	4/19/11	1340	6	X				X	
7 W- 103 -MW7B	MW7B	4/19/11	1315	6	X				X	
8 W- 110 -MW7C	MW7C	4/19/11	1344	6	X				X	
9 W- 98 -MW8A	MW8A	4/19/11	1115	6	X				X	
10 W- 103 -MW8B	MW8B	4/19/11	1145	6	X				X	

Comments/Special Instructions:

GLOBAL ID #: 184801463 ERI
Relinquished by: *Alexander Fuentes*
Relinquished by: *Alexander Fuentes*

PLEASE E-MAIL ALL PDF FILES TO
alexander.fuentes@cardno.com and ERI-EIMLABS@eriu-is.com
geotracker08@eriu-is.com

Temperature Upon Receipt:
Sample Containers Intact?
VOA Vials Free of Headspace?
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ TestAmerica
Project Manager or attach specific instructions

N
Y

Date: 4/19/11 Time: 1000 Received by: *Alexander Fuentes*
Date: 4/20/11 Time: 1255 Received by: *Alexander Fuentes*
Date: 4/20/11 Time: 1255 Received by: *Alexander Fuentes*

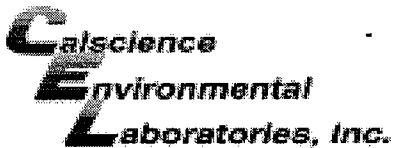
4/20/11 18:00 handle cce 4/20/11 18:00

Alexander Fuentes

Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841

Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil
1303



WORK ORDER #: 11-04-1303

SAMPLE RECEIPT FORMCooler 1 of 1CLIENT: Cardno ERIDATE: 04/20/11**TEMPERATURE:** Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)Temperature 2.2 °C + 0.5°C (CF) = 2.7 °C Blank Sample

- Sample(s) outside temperature criteria (PM/APM contacted by: _____).
- Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.
- Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air FilterInitial: JW**CUSTODY SEALS INTACT:**

<input type="checkbox"/> Cooler	<input type="checkbox"/> _____	<input type="checkbox"/> No (Not Intact)	<input checked="" type="checkbox"/> Not Present	<input type="checkbox"/> N/A	Initial: <u>JW</u>
<input type="checkbox"/> Sample	<input type="checkbox"/> _____	<input type="checkbox"/> No (Not Intact)	<input checked="" type="checkbox"/> Not Present	<input type="checkbox"/>	Initial: <u>TW</u>

SAMPLE CONDITION:

Yes	No	N/A
-----	----	-----

- Chain-Of-Custody (COC) document(s) received with samples.....
- COC document(s) received complete.....
- Collection date/time, matrix, and/or # of containers logged in based on sample labels.
- No analysis requested. Not relinquished. No date/time relinquished.
- Sampler's name indicated on COC.....
- Sample container label(s) consistent with COC.....
- Sample container(s) intact and good condition.....
- Proper containers and sufficient volume for analyses requested.....
- Analyses received within holding time.....
- pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours...
- Proper preservation noted on COC or sample container.....
- Unpreserved vials received for Volatiles analysis
- Volatile analysis container(s) free of headspace.....
- Tedlar bag(s) free of condensation.....

CONTAINER TYPE:Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (_____) EnCores® TerraCores® _____Water: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs 500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna 250PB 250PBn 125PB 125PBznna 100PJ 100PJna₂ _____ _____Air: Tedlar® Summa® Other: _____ Trip Blank Lot#: 110324A Labeled/Checked by: TWContainer: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: bLPreservative: h: HCL n: HNO₃ na₂:Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ znna: ZnAc₂+NaOH f: Field-filtered Scanned by: bL

NON-HAZARDOUS WATER BILL OF LADING

Generator: ExxonMobil Oil Corporation

Generator address: 2555 W. 190th St. #1106, Torrance, CA 90504

Site: JANIC Fee

Address: 10607 Norwalk Blvd.

City/State: Santa Fe Springs, Cal.

Generation date: 4/19/11

Amount purged: ~~184~~ 185^{AF} gallons

Source of water: purging of various wells

In case of emergency, contact Cardno ERI at (805) 644-4157.

The above-listed, non-hazardous wastewater is/was transported to Cardno ERI's facility located at 4572 Telephone Rd., #916 Ventura, California 93003. Upon arrival at Cardno ERI's Ventura facility, waste is/was immediately transferred to a temporary holding tank, and later transported by vacuum truck under a separate manifest to the final TSDF for recycling.

Employee signature 

Date: 4/19/11

SOP-5
WELL SAMPLING & SURVEYING
Rev 6/05

WELL SAMPLING AND SURVEYING

- 1) Open well heads. This may require a socket or a special Allen wrench.
- 2) If the wells are not surveyed by a licensed land surveyor, then survey the wells if this hasn't been done before as follows:
 - a) Select a permanent benchmark (e.g. curb at corner of site, property line). Record on "SURVEYGW" form.
 - b) Measure and record rectangular coordinates from benchmark to each well.
 - c) Set up tripod and transit where it can see all wells and the benchmark = Station "A". If you can't see all wells, two transit locations must be used. At least one well surveyed from Station "A" must be resurveyed from Station "B". Preferably, two or more wells are resurveyed.
 - d) Carefully level the tripod using the bubble indicator.
 - e) Place stadia rod on benchmark and record height from crosshair to reference, (D_o).
 - f) Place stadia rod on each well (at the notch) and record ht. from well to crosshair, (D_w).
 - g) Calculate casing elevation as shown on data sheet SURVEYGW.

To check the accuracy in leveling the transit, set the transit in second spot and repeat steps 2c through 2g. Recalculation of casing elevations should agree within 0.01 ft. or a third placement of the tripod will be required.

- 3) Set up a decon station. This consists of four (4) buckets. Fill the first with deionized water and one (1) teaspoon (approximately one cap full) of Liquinox soap. Fill the next three (3) buckets with deionized water. To decon a probe or water level indicator, place the element and the tape in the buckets in series, finishing with a good rise. To decon a pump, place the pump, hose and wire leads into the buckets in series, and circulate water through the pump in each bucket. Move the equipment from the dirtiest to cleanest bucket, rinsing thoroughly in each bucket.
- 4) Decon the interface probe or water level indicator before inserting into each well. Review the historical groundwater concentrations and sample from cleanest well to hottest well, deconing between each well. Lower probe/indicator until it beeps - raise and lower and mark the level on the tape with your thumb. Estimate level to the nearest 0.01 ft. Note the depth to free product if present as indicated by the interface probe and the depth to water on your field notes and log. Note any odor when the probe is withdrawn from the well. Look for the notch or ink mark on the top of the well and measure all levels from that. Notch should be on the highest side of the well pipe. If no side is high, notch should be on the north side. Measure from the casing adjacent to the notch - not from the bottom of the notch. If there is no notch - make one. For sites that have free product, or historically have had free product, use a bailer to remove a sample of the top of the water column and measure the product in the bailer or look for a sheen. Take a picture of any bailers with product after labeling the bailer with the well number.
- 5) If there is free product, do not purge or sample. The presence of liquid phase hydrocarbons means the concentration in the water will be high anyway and the pump will be difficult to get clean enough to avoid contaminating other wells.
- 6) Developing: If the well has not been developed (it is new), surge the well by moving bailer up and down vigorously in the well for about 5 minutes. This will wash silt from the sand pack into the well where it can be removed.
- 7) Pull out as much silt as possible by running the bailer all the way to the bottom and withdrawing. Continue bailing until water is fairly clear or until local regulatory specifications are met. Removal of silt with the bailer will extend the pump life. Contact the Project Manager if water does not clear up by 10 casing volumes.

- 8) Decon pump by washing in TSP/water the rinsing with tap water and rinsing again with deionized water. Then pump clean water through the pump to push out any dirty water.
- 9) **Purging:** Place pump in well about 2 to 5 feet off bottom. Withdraw at least 3 casing volumes from the well, or until temperature, pH and conductivity stabilize (see local regulations). Be careful not to let the pump run dry. If an electric purging pump is used, such as a Grundfos pump, check the water level in the well with the water level indicator and slow pump down when water level is within 2 ft of the pump head. While purging, collect a water sample as often as possible and check for pH, conductivity, and temperature. Stable pH and conductivity would indicate the well has been filled with representative groundwater and purging is complete. If well recharges slowly, remove 1.5 casing volumes. Estimate flow rates by recording the time it takes to fill a 5-gallon bucket (1/2 of a 55-gallon barrel, etc.)
- 10) Decon pump thoroughly between each well by repeating step 7.
- 11) Label bottles with a "Sharpie Pen" when they are dry. Label as W-xx-MWY, where xx is water depth below surface in feet and y is well number (refer to SOP-1).
- 12) After the well has been developed, sample the water using a disposable bailer and surgical gloves to prevent oil from your hands from contaminating the sample. Be sure to leave no headspace or bubbles in any water sample to be tested for volatiles. Wells should be sampled within (24) hours of purging and the well should have recovered to within 80% of its volume before purging. (Slow recharge wells need to be addressed with the Project Manager - and may have to be purged slowly). Gasoline contaminated water requires at least three (3) 40 ml VOA's from each well. Preserve samples by acidifying to pH <2 (usually with two drops of HCl). Water suspected of contamination with oil or diesel requires 2 1-liter samples in amber bottles. Samples contaminated with oil will require 10 drops of H₂SO₄ for preservation. Samples for organic lead require two (2) 1-liter amber bottles.
- 13) Place like vials in a baggie and label the baggie. Put vials and baggie in an ice chest filled with ice and document samples and analyses required on a chain of custody. Take samples to the laboratory the same day samples are collected if possible, at least within 24 hours.
- 14) Clean wellhead gaskets (seals), put locking caps on the wells and replace the covers. Cover and label the drums (if any) of purge and decon water.

<u>Analysis</u>	<u>Bottles</u>	<u>Preservative</u>
8015 mod gasoline/8020(602)	min. of 3 x 40 ml VOA	2 drops HCl to pH <2
8015 mod diesel/8020(602)	2 1-liter & 3 x 40 ml VOA	2 drops HCl to pH <2 (applied to VOA's)
418.1 (TRPH)	2 1-liter amber	10 drops H ₂ SO ₄ to pH <2
Organic Lead	2 1-liter amber	no preservative suggested
HOC - 8010 (601)	min. of 3 x 40 ml VOA	no preservative suggested

Items Needed:

Water Level Indicator	Distilled Water
Disposable Bailers	4 Buckets
Generator	Bottle Brush
Grundfos Pump and Reel	TSP Detergent
Grundfos Pump Control Box	Stainless Steel Cable or Poly Rope
Hydac Cond/Temp/pH Meter	Cooler with Ice
Liter Bottles	Socket set and Allen Wrench (CNI Key)
VOAs	Plastic sheeting

Items Needed for Surveying:

Topcon AT-F7 Transit
Tripod
Stadia Rod

SOP-6
Quarterly Well Monitoring
Rev 6/05

QUARTERLY WELL MONITORING

- 1) Give the site manager advance notification of field activities. Arrange for a sufficient number of drums. Obtain a site plan with the location and ID's of the wells to be monitored and a copy of the table from the last quarterly report with the previous groundwater data.
- 2) Open well heads. This may require a socket or a special allen wrench.
- 3) Set up decon station per SOP-5. Measure groundwater depths with water level indicator as per SOP-5 before any other action is taken. If the depth to the bottom of the monitoring well is unknown, reel out the water level indicator until you feel the probe contact the bottom. You may have to raise and lower the probe several times to "feel" contact with the bottom. The probe is not very heavy, and the bottom of the well may have a cushioning layer of silt. Record the depth of the well once you feel confident the probe is at the bottom. Note odors from well.
- 4) Calculate the linear footage of water in each well, by subtracting the depth to water from the total well depth. To obtain the casing volume in gallons, multiply the linear footage by a constant for the given well casing diameter. Typically, three casing volumes are purged from each well prior to sampling.
Always Round up - if 3.4 gallons, then purge 4 gallons - if 12.1 gallons, then purge 13 gallons.

<u>Casing diameter</u>	<u>Gallons per linear foot</u>
2"	0.17
4"	0.66
6"	1.50
8"	2.60

- 5) After measuring all water levels, begin purging the wells in order of the cleanest to the most contaminated based on last quarter's data. Well purging procedures are outlined in SOP-5. While wells containing free floating product may not be sampled, the project manager may want the free product removed manually by bailer. Check with the project manager before bailing LPH. You may find that for shallow wells, it may be quicker to bail manually rather than set up the pump. Place purge and decon water in a 55-gallon drum or treat on site. Do not mix purge water from different wells in one drum. Record all purge data on Groundwater Sampling Field Logs. Record "LPH" and the thickness in feet and inches (to nearest 1/16 of an inch) in the comments section if a measurable level of LPH present. If non-measurable amount present then record "Sheen" in the comments section.
- 6) When the well has recovered at least 80% of its' original water level, collect samples using a clean, new disposable bailer. Use a new disposable bailer for each well. Make sure the rope or line is tied securely on the bailer, you don't want to go fishing. Sample in order of the cleanest to the most contaminated. If required, collect field (equipment) blanks.
- 7) Trip blanks are a QA/QC procedure that must be collected at every site. Obtain a trip blank from the laboratory. They will make them up for you. The trip blank to taken unopened to the site and is kept with the other samples in the cooler unopened during the day's sampling. Label the bottle as an arbitrary monitoring well. For example: if there are 5 monitoring wells to be sampled at the site, the trip blank should be labeled as if it were a sample from MW6. The trip blank is never opened and it is used to determine if any contaminants are introduced by the laboratory or during transportation of the samples.
- 8) Field (equipment) blanks are a QA/QC procedure to be collected at the project manager's discretion (or always for LACDPW sites). To collect a field blank decon a bailer thoroughly; pour distilled water into the bailer; pour the distilled water from the bailer into appropriate sample bottle(s) for the analysis

to be performed, allow for no headspace; label the bottle as an arbitrary monitoring well. For example: if there are 5 monitoring wells to be sampled at the site plus a trip blank, and a field blank is to be collected, the field blank should be labeled as if it were a sample from MW7 (the trip blank is MW6). If a disposable bailer is used for sampling, use a new disposable bailer to collect the field blank.

- 9) Label sample containers when they are dry (refer to SOP-1). Place vials from each well in a separate plastic zip lock bag. Put bag in an ice chest and document samples and analyses required on a chain of custody (see attached examples).
- 10) Replace the locking caps, and the covers. Cover and label the drums of waste water. Place the drums on site in a location selected by the site manager. Usually, this will be near a dumpster or in the back, away from public view. Labels should face outward.
- 11) Decon all equipment per SOP-5 before leaving the site.

In general, groundwater sampling will be performed in accordance with LUFT guidelines. Several local agencies require that groundwater sampling occur under slightly different guidelines. Check with the project manager to find out which sites require special groundwater sampling procedures. Typically, the following apply:

Orange County Health Care Agency Requirements

No special requirements. Water sampling will be performed as per the State Water Resources Board's LUFT manual.

LARWQCB Groundwater Requirements

- o Purge a minimum of three well volumes if recovery is fast, or one borehole volume if recovery is slow (water does not recover to 80% of original level within two hours).
- o The last three readings must be within 10% for conductivity, temperature, and pH to show stabilization. This means that all three consecutive readings must be within these limits - the first with the middle, and the first with the last, and the middle with the last. For instance, pH readings of 6.92, 6.95, and 7.00 would be sufficient.
- o Even though there are no guidelines for turbidity, the measurements should be less than 10 NTU, or meet the baseline level established during development, upon completion of purging. Check with project manager if you use the baseline turbidity level.
- o Prior to sampling document recovery time by measuring the water level in each well to prove that at least 80% recovery has occurred.
- o A trip blank must be collected.
- o In the comments column of the chain of custody, write "Prepare laboratory report in WIP format."

San Diego Department of Health Services Groundwater Sampling Requirements

- o SDDHS does not encourage purging wells until dry.
- o Purge one borehole volume of water if recovery is fast, collecting pH/temperature/conductivity measurements while purging, then remove an additional one-half borehole volume of water. If the first and second measurements vary by less than 10%, purging is considered adequate. If not, keep purging water in one-half borehole volume increments until the measurements vary by less than 10%, or three borehole volumes have been removed. Obtain three consecutive pH/temperature/conductivity measurements that are within 10% of each other.

- o If recovery is slow (water does not recover to 80% of original level within two hours) purge only one borehole volume of water.
- o Prior to sampling document recovery time by measuring the water level in each well to prove that at least 80% recovery has occurred.

Ventura County Environmental Health Division
Groundwater Sampling Requirements

- o A trip blank and a duplicate sample must be analyzed for each site.
- o Custody seals must be place over the cap of each sample.

Under certain conditions the calculated purge volumes will need to be calculated in borehole volumes instead of well casings volumes. Use the following to calculate borehole volume in gallons.

<u>Well I.D.</u>	<u>Bore Volume</u>
2"	0.90 gal/ft. in water
4"/or nested wells	1.70 gal/ft. in water

The completed groundwater sampling log must contain:

- pH/temp./conductivity and turbidity measurements indicating stabilization
- time and volume of water removed at each pH/temp./conductivity measurements
- total volume of water purged
- name of personnel performing sampling
- date and project number
- problems or unusual conditions arising during purging or sampling, such as the well going dry during purging, water in the well vault, missing well caps or locks, odors, appearance of purge water, etc.
- 80% recovery measurement and time of measurement after purging and before sampling

All chains of custody for the client's groundwater sites must contain the consultant work release number, station identification number and client contact among the other items to be filled out. Check the groundwater sampling field log and chain of custody for completeness, accuracy and neatness. If you have any questions, call!!!

Make sure that the date and time of relinquished and accepted at the lab are the same on the chain of custody. Also, make sure the lab fills in the sample condition information and signs for the samples on the chain of custody

Santa Barbara County Environmental Health Services
Groundwater Monitoring Guidelines

- I. Groundwater Monitoring
 - A. Groundwater levels are to be monitored/measured in **all wells** in a short time span.
 - B. Measure the groundwater levels (correct for "free product" thickness).
 - C. Use a clear bailer to check for the presence of "floating product," sheen, and odors.
 - D. Replace well cover until ready to purge well.
- II. Purging
 - A. Amount: generally 3 to 5 (no more than 10) well volumes; via bailer, pumps, or vacuum truck.
 - B. Parameters (pH, temperature, conductivity) shall stabilize while purging.

1. Measure the parameters of a small volume (i.e., a 500 ml) of the water as it is removed from the well. Measure the parameters initially and at regular volume intervals (e.g., after every well casing volume). More frequent testing may be needed if the well is known to go dry.
 2. Wells must be allowed to recharge prior to sampling (see section G of the Santa Barbara County LUFT Manual).
- C. Slow recharging wells are wells that are purged dry before removing 3 well volumes of water, and take more than **two (2)** hours to recharge.
1. Note this on the field records and estimate the number of well volumes removed.
 2. Allow the well to recharge a minimum of two (2) feet and then sample.
 3. **Sample wells no later than 24 hours after purging.**
 4. Note the water level and percentage of recharge in the report.

III. Sample Collection

- A. Use either a decontaminated Teflon, stainless steel, or disposable bailer.
- B. Sample containers are to be supplied and certified by a laboratory:
 1. VOAs of 40 ml volume (at least 3 per well – check with lab and the PM for specific requirements); fill VOAs first to reduce volatilization.
 2. 4 oz sample containers for Pb (metallic lead) analysis (if needed).
- C. Fill containers by pouring along the inside of the vial to reduce volatilization.
- D. Form a positive meniscus with the water, to avoid trapping air, before placing the cap on the VOA. **Samples with headspace are not acceptable for analysis.**
 1. Check for bubbles by inverting and tapping gently to dislodge bubbles.
 2. If bubbles are found, uncap and repeat steps C and D.
- E. Label all samples and store immediately in an ice chest at 4 degrees Celsius filled with ice.
- F. Be careful to properly decontaminate equipment between each and every well.